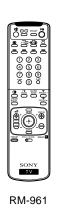


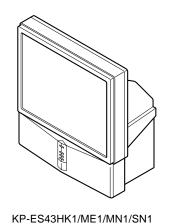
SERVICE MANUAL

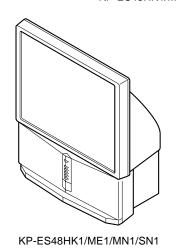
RG-3 chassis

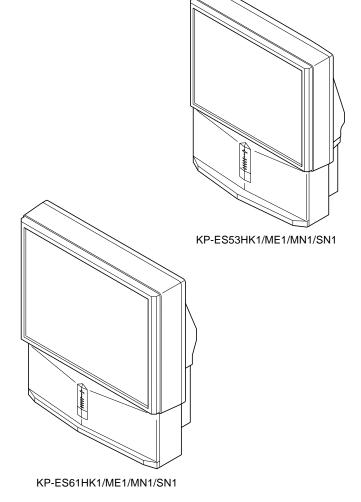
| <u>MODEL</u> | <u>COMMANDER</u> | DEST. | CHASSIS NO. |
|--------------|------------------|-------|-------------|
| KP-ES43HK1 | RM-961 | HK | SCC-P45B-A |
| KP-ES43ME1 | RM-961 | ME | SCC-P46B-A |
| KP-ES43MN1 | RM-961 | GE | SCC-P44D-A |
| KP-ES43SN1 | RM-961 | AUS | SCC-P47B-A |
| KP-ES48HK1 | RM-961 | HK | SCC-P45A-A |
| KP-ES48ME1 | RM-961 | ME | SCC-P46A-A |
| KP-ES48MN1 | RM-961 | GE | SCC-P44A-A |
| KP-ES48SN1 | RM-961 | AUS | SCC-P47A-A |

| <u>MODEL</u> | <u>COMMANDER</u> | <u>DEST.</u> | CHASSIS NO. |
|--------------|------------------|--------------|-------------|
| KP-ES53HK1 | RM-961 | HK | SCC-P45C-A |
| KP-ES53ME1 | RM-961 | ME | SCC-P46C-A |
| KP-ES53MN1 | RM-961 | GE | SCC-P44B-A |
| KP-ES53SN1 | RM-961 | AUS | SCC-P47C-A |
| KP-ES61HK1 | RM-961 | HK | SCC-P45D-A |
| KP-ES61ME1 | RM-961 | ME | SCC-P46D-A |
| KP-ES61MN1 | RM-961 | GE | SCC-P44C-A |
| KP-ES61SN1 | RM-961 | AUS | SCC-P47D-A |









* Please file according to model size. ... \square



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53

61



KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

SPECIFICATIONS

| | KP-ES61MN1/ KP-ES61HK1/ KP-ES61ME1/ KP-ES61SN1 | KP-ES53MN1/ KP-ES53HK1/ KP-ES53ME1/ KP-ES53SN1 | KP-ES48MN1/ KP-ES48HK1/ KP-ES48ME1/ KP-ES48SN1 | KP-ES43MN1/ KP-ES43HK1/ KP-ES43ME1/ KP-ES43SN1 | |
|---|---|--|---|---|--|
| Projection system | 3 picture tubes, 3 len | ses, horizontal inline | system | | |
| Picture tube | tture tube 7 inch high-brightnes monochorome tubes (6.3 raster size), with optical couplin and liquidcooling system | | | | |
| Projection lenses High performance, large-diameter highbrid lens F1.0 | | | | | |
| Screen size | 61 inches | 53 inches | 48 inches | 43 inches | |
| Television system | B/G, I, D/K, M | | | | |
| Color system | PAL, PAL 60, SECAN | M, NTSC4.43, NTSC3 | 3.58 | | |
| Stereo/Bilingual system | NICAM Stereo/Bilingual | | | | |
| Channel coverage B/G | VHF : E2 to E12 / UHF : E21 to E69 / CATV : S01 to S03, S1 to S41 | | | | |
| I | UHF: B21 to B68 / C | CATV: S01 to S03, S1 | to S41 | | |
| D/K | | VHF: C1 to C12, R1 to R12 / UHF: C13 to C57, R21 to R60 / CATV: S01 to S03, S1 to S41, Z1 to Z39 | | | |
| М | | VHF : A2 to A13 / UHF : A14 to A79 / CATV : A-8 to A-2, A to W+4, W+6 to W+84 | | | |
| □ Γ(Antenna) | 75-ohm external terr | minal | | | |
| Audio output (Speaker) | 13W + 13W, (10% di | stortion) | | | |
| Number of terminal (••) (Video) | Input: 4 Output: 1 | Phono jacks; 1 V | p-p, 75 ohms | | |
| ♪ (Audio) | Input: 4 Output: 1 | Phono jacks; 500 | mVrms | | |
| -€•• (S Video) | Input: 2 | Y: 1 Vp-p, 75 oh unbalanced, syn C: 0.286 Vp-p, 75 | ic negative | | |
| → (Component Video) | Input: 1 Phono jacks Y: 1 Vp-p, 75 ohms, sync negative C_B/B -Y: 0.7 Vp-p, 75 ohms C_R/R -Y: 0.7 Vp-p, 75 ohms Audio: 500 mVrms | | | | |
| \Rightarrow | Output: 1 | Phono jack; 500 1 | mVrms | | |
| ⊕ (Headphones) | Output: 1 | Stereo minijack | | | |
| Dimensions (w/h/d, mm) | 1372 × 1542 × 661.5 | $1218 \times 1423 \times 623$ | 1091 × 1336 × 580 | $966 \times 1078 \times 532$ | |
| Mass (kg) | 90 | 76 | 68 | 61 | |

 $\textbf{Power requirements} \hspace{1.5cm} 110 \text{ V} - 240 \text{ V (For KP-ES61MN1/KP-ES53MN1/KP-ES48MN1/KP-ES43MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4MN1/KP-ES4M$

KP-ES61ME1/KP-ES53ME1/KP-ES48ME1/KP-ES43ME1)

220 V - 240 V (For KP-ES61HK1/KP-ES53HK1/KP-ES48HK1/KP-ES43HK1/

KP-ES61SN1/KP-ES53SN1/KP-ES48SN1/KP-ES43SN1)

Power consumption (W) 270 W (For KP-ES61MN1/KP-ES53MN1/KP-ES48MN1/KP-ES43MN1/

KP-ES61ME1/KP-ES53ME1/KP-ES48ME1/KP-ES43ME1)

 $255\,\mathrm{W}$ (For KP-ES61HK1/KP-ES53HK1/KP-ES48HK1/KP-ES43HK1/

KP-ES61SN1/KP-ES53SN1/KP-ES48SN1/KP-ES43SN1)

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF HTE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!! COMPONENTS IDENTIFIED BY SHADING AND MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

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SECTION 1 SELF DIAGNOSIS FUNCTION

The unit in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER lamp will automatically begin to flash.

The number of times the lamp flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER lamp flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1-1. DIAGNOSTIC TEST INDICATORS

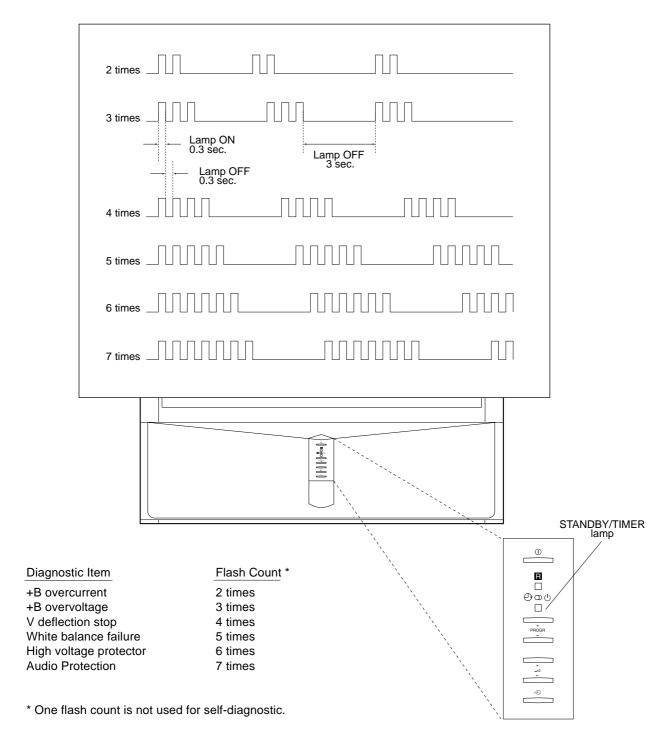
When an errors occurs, the STANDBY/TIMER lamp will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the lamp will identify the first of the problem areas.

Result for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

| Diagnostic Item Description | No. of times STANDBY/TIMER lamp flashes | Self-diagnostic display/ Diagnostic result | Probable Cause Location | Detected Symptoms |
|--|---|--|--|--|
| Power does not turn on | Does not light | | Power cord is not plugged in. Fuse (F6001) is burned out. (G, G1 board) | Power does not come on.No power is supplied to the PJ.AC power supply is faulty. |
| •+B overcurrent (OCP) | 2 times | 002:000 or 002:001 ~ 255 | •H. OUT Q5104 is shorted. •H. LIN Q5105 is shorted. (D board) | Power does not come on. Load on power line is shorted. |
| •+B overvoltage (OVP) | 3 times | 003:000 or 003:001 ~ 255 | • IC6002 faulty. •10.5 V is not supplied. (G, G1 board) | Power does not come on. |
| Vertical deflection failure | 4 times | 004:000 or 004:001 ~ 255 | •V. OUT IC5302 faulty. •R5340 open •R5341 open (D board) | Vertical deflection pulse is stopped. Vertical size is too small. Vertical deflection stopped. |
| • White balance failure (no PICTURE) | 5 times | 005:000 or 005:001 ~ 255 | G2 is improperly adjusted. (Note 1) CRT problem. Video OUT IC7101 (CR board), IC7201 (CG board), IC7301 (CB board) are faulty. IC8306 (J1 board) and IC4301 (E board) are faulty. No connection E board to CR board. | No raster is generated. CRT cathode current detection reference pulse output is small. |
| High Voltage failure | 6 times | 006:000 or 006:001 ~ 255 | •IC6301 (G, G1 bard) faulty. | •+135 V is too high. |
| Audio Protection | 7 times | 007:000 or 007:001 ~ 255 | Power supply fails. IC1101 (A1 board) faulty. | There is picture but speaker does not release sound. |
| •Micro reset | | 101:000 or 101:001 ~ 255 | Discharge CRT (CR, CG, CB boards) Static discharge External noise | Power is shut down shortly, after this return back to normal. Detect Micro latch up. |

Note 1 : Refer to screen (G2) adjustment in section 4-2 of this manual.

1-2. DISPLAY OF STANDBY/TIMER LIGHT FLASH COUNT



1-3. STOPPING THE STANDBY/TIMER FLASH

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER lamp from flashing.

1-4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurrences of failure for confirmation on the screen:

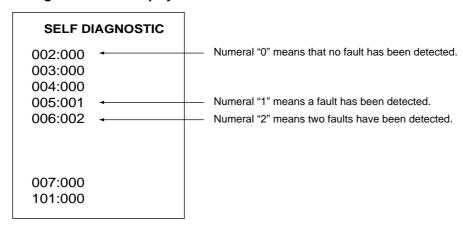
[To Bring Up Screen Test]

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:



*: Note that this differs from entering the service mode (volume +)

Self-Diagnosis screen display



1-5. HANDLING OF SELF-DIAGNOSTIC SCREEN DISPLAY

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

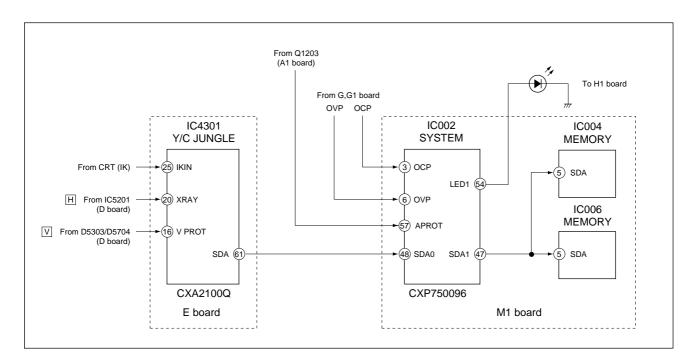
[Clearing the result display]

To clear the result display to "0", press button on the remote commander sequentially as shown below when the diagnostic screen is being displayed.

[Quitting Self-diagnostic screen]

To quit the entire self-diagnostic screen, turn off the power switch on the remote commander or the main unit.

1-6. SELF-DIAGNOSTIC CIRCUIT



| +B overcurrent (OCP) | Occurs when an overcurrent on the +B (135 V) line is detected by Q6303. If Q6303 go to ON, the voltage to pin 3 of IC002 go to UP. The unit will automatically turn off. |
|---|--|
| +B overvoltage (OVP) | Occurs when an overvoltage on the +B (135 V) line is detected by D6318. If D6318 go to ON, then voltage to pin 6 of IC002 go to UP. The unit will automatically turn off. |
| Vertical deflection failure | Occurs when an absence of the vertical deflection pulse is detected by Q5302, Q5303, and D5303. Shut down the power supply. |
| White balance failure | If the RGB levels do not balance or become low level within 5 seconds. This error will be detected by IC4301. TV will stay on, but there will be no picture. |
| High voltage protector of Horizontal Deflection | Occurs when an overvoltage of horizontal pulse is detected by D5115 and IC5201. If the voltage of pin 1 of IC5201 goes to High, the voltage to pin 20 of IC4301 go to UP. The unit will automatically turn off. |
| Audio Protector | If the Audio out lines become DC.This error will be detected by Q1202, Q1204 and Q1203. The unit will automatically turn off. |

SECTION 2 GENERAL

Using Your New Projection TV

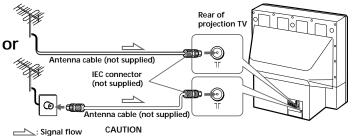
Using Your New Projection TV

Getting Started

Step 1

Connect the antenna

If you wish to connect a VCR, see the "Connecting a VCR" diagram below.



Do not connect the power cord until all other connections are complete; otherwise, a minimal current leakage through the antenna and/or other terminals to the ground could occur.

Using Your New Projection TV

Connecting a VCR

9

To play a video tape, press € (see page 14). To T (antenna) Antenna cable (not supplied) Rear of projection TV To ----(S video input) To antenna output 0 S video cable (not supplied) 0 VIDEO OUT 🍎 🍎 🗑 0 To S video output To video and audio outputs To ⊕ 1, 2 or 3 (video input) Audio/Video cable (yellow) (not supplied) : Signal flow ♪-L (MONO) (white) ♪-R (red) continued

Getting Started (continued)

Notes

- If you connect a VCR to the

 \(\T \) (antenna) terminal, preset the signal output from the VCR to the program number 0 on the projection TV.
- When both the ⊕ (S video input) and ⊕ 1 (video input) are connected, the ⊕ (S video input) is automatically selected. To view the video input to ⊕ 1 (video input), disconnect the S video cable.

Step 2

Insert the batteries into the remote





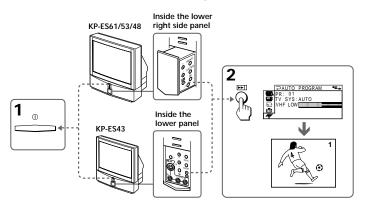
Notes

- Do not use old batteries or different types of batteries together.
- To operate some of the functions of your projection TV, you may have to open the remote control cover.



Step 3

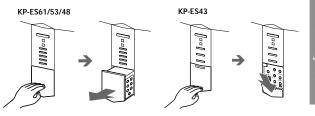
Preset the channels automatically



6 | Using Your New Projection TV

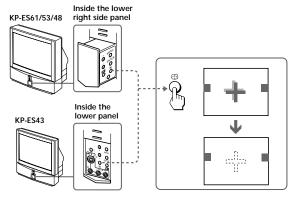
Notes

- To stop the automatic channel presetting, press MENU twice.
- If your projection TV has preset an unwanted channel or cannot preset a particular channel, then preset your projection TV manually (see page 44).
- To open the lower panel of your projection TV, push on it, then it will open.



Step 4

Adjusting the convergence automatically



Note

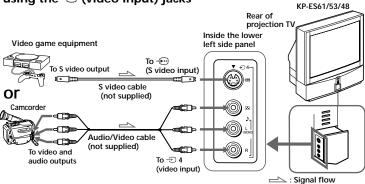
 Adjust convergence about 20 – 30 minutes after the projection TV is first turned on.

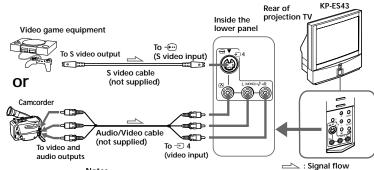
The Digital Quick Focus feature allows you to adjust the convergence automatically.

Connecting optional components

You can connect optional audio/video components, such as a VCR, multi disc player, camcorder, video game, or stereo system. To watch and operate the connected equipment, see pages 14 and 28.

Connecting a camcorder/video game equipment using the € (video input) jacks

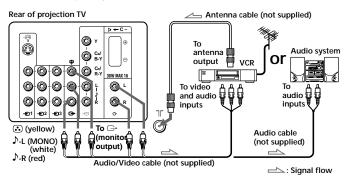




Votes

- When connecting video game equipment, display the "FEATURE" menu and select "ON" for "GAME MODE" to adjust the picture setting that is suitable for video games (see page 39).
- You can also connect video equipment to the ⊕ 1, 2, or 3 (video input) jacks at the rear of your projection TV.
- When both the ⊕ (S video input) and ⊕ 4 (video input) are connected, the ⊕ (S video input) is automatically selected. Twiew the video input to ⊕ 4 (video input), disconnect the S video cable.
- 8 | Using Your New Projection TV

Connecting audio/video equipment using the → (monitor output) jacks



- If you select "DVD" on your TV screen, no signal will be output at the 👄 (monitor output) jacks (see page 14).
- When connecting the audio cable to the \bigcirc , you can adjust the volume with \triangle +/-.

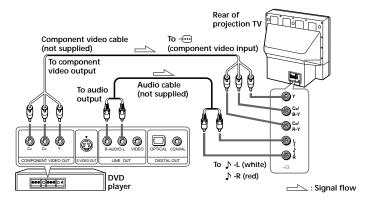
continued

Using Your New Projection TV

Connecting optional components (continued)

Connecting a DVD player to ⊕ (component video input)

- 1 Using an audio cable, connect R and L under ← (component video input) on your projection TV to the LINE OUT, AUDIO R and L output connectors on your DVD player.
- 2 Using a component video cable, connect Y, CB/B-Y, and CR/R-Y under ← (component video input) on your projection TV to the COMPONENT VIDEO OUT Y, CB, and CR output connectors on your DVD player.
- 3 Press € on the remote or the projection TV until "DVD" appears on the screen.



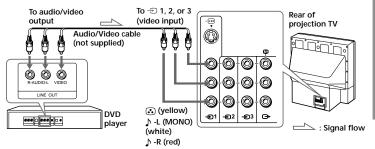
• Some DVD player terminals may be labeled differently:

| Connect | To (on the DVD player) |
|----------------------------|------------------------|
| Y (green) | Y |
| C _B /B-Y (blue) | Cb, B-Y or PB |
| C _R /R-Y (red) | Cr, R-Y or PR |

• When connecting to \bigodot (component video input) on your projection TV, you must connect Y, CB, and CR to receive the video signals, and at least connect L and R to receive analog audio signals.

Connecting a DVD player to € (video input)

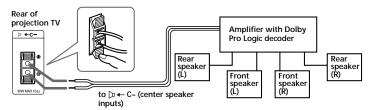
Connect \multimap 1, 2, or 3 (video input) \land / \odot (audio/video) connectors on your projection TV to LINE OUT on your DVD player.



Notes

- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness ("SHARP") under "PERSONAL ADJUST" in the "PICTURE MODE" menu (see page 34).
- Connect your DVD player directly to your projection TV. Connecting the DVD player through other video equipment will cause unwanted picture noise.

Connect the speaker terminals on your amplifier to ▷ ← C- on your projection TV.



Note

- When making connection to □ ← C- on your projection TV set "SPEAKER: CENTER IN" in the "A/V CONTROL" menu. (see page 33)
- * Manufactured under license from Dolby Laboratories Licensing Corporation.

 DOLBY, the double-D symbol DD and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

Installing the projection TV

For the best picture quality, install the projection TV within the areas below.

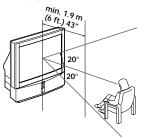
KP-ES43

Optimum viewing area

(Horizontal)

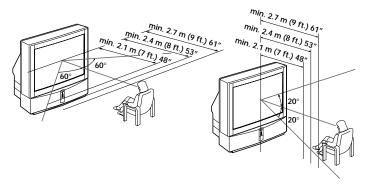
Optimum viewing area (Vertical)

KP-ES43



KP-ES61/53/48



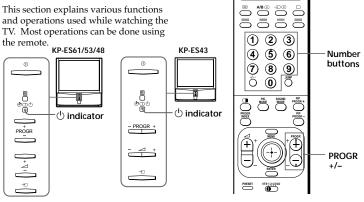


Using Your New Projection TV | 11

1

Watching the TV

This section explains various functions and operations used while watching the TV. Most operations can be done using



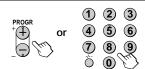
Press ① to turn on the projection TV.

When the projection TV is in standby mode (the \circlearrowleft indicator on the projection TV is lit red), press I/\circlearrowleft on the remote.



Press PROGR +/- or the number buttons to select the TV channel.

For double digit numbers, press -*I*--, then the number (e.g., for 25, press -/--, then 2 and 5).



Note

"ON" (see page 39).

To select a TV program quickly

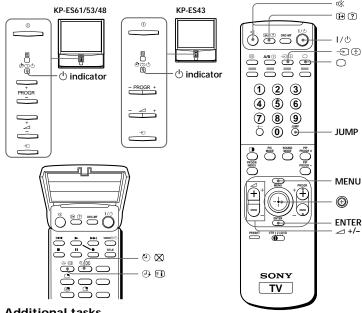
- (1) Press and hold PROGR +/-.
- (2) Release PROGR +/- when the desired program number appears.

• When you select a TV program quickly, the picture may be disrupted. This does not indicate a malfunction.

continued

Using Your New Projection TV | 13

Watching the TV (continued)



Additional tasks

| То | Press |
|--|--|
| Turn off temporarily | I/ひ. The ひ indicator on the projection TV lights up red. |
| Turn off completely | ① on the projection TV. |
| Adjust the volume | △ +/ |
| Mute the sound | υ % . |
| Watch the video input (VCR, camcorder, etc.) | ⊕ (or ⊕ on the projection TV) to select "VIDEO 1", "VIDEO 2", "VIDEO 3", "VIDEO 4" or "DVD". To return to the TV screen, press □ (or ⊕ on the projection TV). |
| Jump back to the previous channel | JUMP. |
| Display the on-screen information* | (+) . |

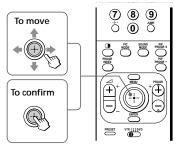
* Some picture/sound settings, and either the program number or video mode are displayed. The on-screen display for the picture/sound settings disappears after about 3 seconds.

14 | Using Your New Projection TV

Using the Remote Control Button Joystick (19)

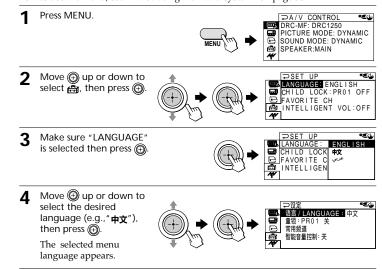
You can select the menu item on the screen by moving (1) up, down, left or right (see page 32).

To confirm a selected item, press (1). You can also press ENTER on the remote to confirm a selected item.



Changing the menu language

You can change the menu language as well as the on-screen language. For details on how to use the menu, see "Introducing the menu system" on page 30.



To return to the normal screen

Press MENU.

continued

Using Your New Projection TV | 15

Watching the TV (continued)

Setting the Wake Up timer

Press (4) until the desired period of time appears.

> The Wake Up timer starts immediately after you have set it.



- Select the TV channel or video mode you want to wake up to.
- Press 1/0, or set the Sleep timer if you want the projection TV to turn off automatically.

The (4) indicator on the projection TV lights up orange.

To cancel the Wake Up timer

Press (4) until "WAKE UP TIMER: OFF" appears, or turn the projection TV off.

Note

• If no buttons or controls are pressed for more than two hours after the projection TV is turned on using the Wake Up timer, the projection TV automatically goes into standby mode. To resume watching the TV, press any button or control on the projection TV or the remote.

Setting the Sleep timer

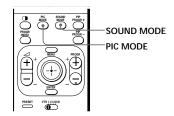
Press (4) until the desired period of time appears. SLEEP TIMER:30M SLEEP TIMER:60M The Sleep timer starts immediately after you have set it. SLEEP TIMER:OFF SLEEP TIMER:90M

To cancel the Sleep timer

Press (until "SLEEP TIMER: OFF" appears, or turn the projection TV off.

Selecting the picture and sound modes

You can select picture and sound modes and adjust the setting to your preference in the "PERSONAL" option.



Selecting the picture mode

Press PIC MODE repeatedly until the desired picture mode is selected.



| Select | То |
|------------|---|
| "DYNAMIC" | receive high contrast pictures. |
| "STANDARD" | receive normal pictures. |
| "HI-FINE" | receive higher resolution pictures with mild contrast. |
| "PERSONAL" | receive the last adjusted picture setting from the "ADJUST" option in the "A/V CONTROL" menu (see page 34). |

Selecting the sound mode

Press SOUND MODE repeatedly until the desired sound mode is selected.



| Select | То |
|------------|---|
| "DYNAMIC" | listen to dynamic and clear sound that emphasizes both the low and high tones. |
| "DRAMA" | listen to sound that emphasizes voice and high tones. |
| "SOFT" | receive soft sound. |
| "PERSONAL" | receive the last adjusted sound setting from the "ADJUST" option in the "A/V CONTROL" menu (see page 34). |

Tip

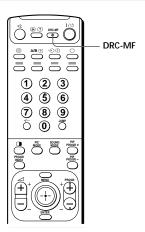
 You can also set the picture and sound modes using the menu (see "Changing the "A/V CONTROL" setting" on page 33).

| 17

Viewing higher quality pictures

- "DRC-MF"

The Digital Reality Creation-Multi Function (DRC-MF) feature allows you to enjoy higher quality pictures on your projection TV. You can select "DRC1250" to watch super real (higher resolution) pictures, or "DRC100" to reduce flicker if necessary.



Press DRC-MF repeatedly until you receive the desired picture quality.



| Select | То |
|-----------|------------------------------------|
| "DRC1250" | select higher resolution pictures. |
| "DRC100" | reduce flicker on the screen. |

Tip

When the broadcast signal is weak, you may see some dots or noise on the
TV screen. To reduce this interference, display the "A/V CONTROL"
menu and select "ADJUST" in "PICTURE MODE", then adjust "SHARP"
to reduce the sharpness (see page 34).

Note

 The DRC-MF mode is not selectable when using the "PROGRAM INDEX" or "FAVORITE CH" feature, or when the "GAME MODE", Picture-In-Picture ("PIP"), or "TWIN" mode is turned "ON".

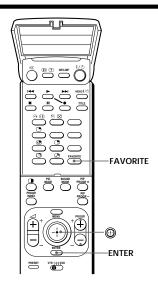
The DRC-MF logo (\blacksquare \blacksquare \blacksquare) and "DRC-MF" are trademarks of Sony Corporation.

Viewing your favorite channels

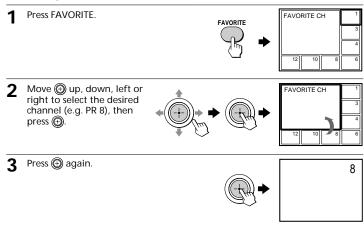
- "FAVORITE CH"

You can display seven favorite channels for quick and easy selection.

The last seven channels selected with the number buttons are displayed in "AUTO" mode. You can set up your own favorite channels in "MANUAL" mode under the "FAVORITE CH" menu (see "Changing the favorite channel setting" on page 42).



Selecting a favorite channel



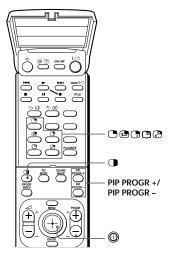
Note

When you use your projection TV for the first time, seven preset channels appear.
 Advanced Operations | 19

Watching two programs at the same time

- "PIP", "TWIN"

With the Picture-in-Picture (PIP) or TWIN pictures features, you can display a different TV program or video within or beside the main picture.



Displaying the PIP screen



Displaying TWIN pictures



To return to the normal screen

Press igodot (when in the PIP screen) or igodot (when in the TWIN picture screen).

Tip

• You can also display the PIP screen or TWIN pictures using the menu (see "Changing the MULTI PICTURE setting" on page 36).

Additional PIP/TWIN pictures tasks

| То | Press/Move |
|--|--|
| change a TV program in the PIP screen or in the right TWIN picture | Press PIP PROGR + or PIP PROGR –. For a video input, press . |
| swap pictures between the main and PIP screens | Press ②. |
| freeze the PIP screen | Press |
| change the position of the PIP screen | Press . |
| swap the right and left pictures of the TWIN pictures | Press 2. |
| change the screen size of the TWIN pictures | Move ③ left to increase the left screen size. Move ⑤ right to increase the right screen size. |

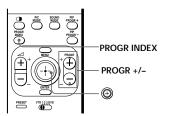
Notes

- The 🖰 button does not function in the TWIN pictures mode.
- When you display a video input on the PIP screen at a faster/slower speed, the picture may be disrupted depending on the VCR type.
- If you display different color systems on the main screen and the PIP screen, the size of the PIP screen may be different and the PIP picture may be disrupted. This does not indicate a malfunction of the projection TV.
- In the TWIN picture screen, you can only operate and hear the sound of the main left screen (\(\infty \) appears on the screen).
- When the button is pressed, the TV screen flickers or goes blank for about one second before the TWIN pictures appear. This does not indicate a malfunction of the projection TV.

Displaying multiple programs

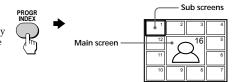
- "PROGRAM INDEX"

The PROGRAM INDEX feature displays all of the preset TV programs on twelve or seven sub screens for direct selection.

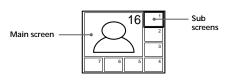


Press PROGR INDEX.

The first twelve preset programs appear one by one, clockwise from the upper left corner.



When the number of the preset TV programs is less than eight, the first seven preset programs appear one by one, clockwise from the upper right corner.



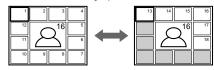
Tip

 When you press the PROGR INDEX button in the TWIN pictures mode, the left picture appears as the main screen of the PROGRAM INDEX mode.

To view the next or the previous twelve preset programs

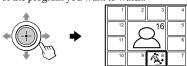
This works only when the number of the preset TV programs is more than twelve.

Press PROGR +/- on the remote or the projection TV.



To select the desired program directly from the sub screens

1 Move (1) up, down, left or right to move the frame to the screen of the program you want to watch.









3 Press 🖨 again.







• Pressing the number buttons directly displays the program.

To return to the normal screen

Press PROGR INDEX again, or:

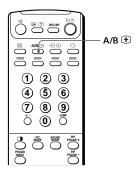
- 1 Select "PROGRAM INDEX" from the "MULTI PICTURE" menu.
- 2 Press 🕀.

• You can also display multiple programs using the menu (see "Changing the MULTI PICTURE setting" on page 36).

• When displaying multiple programs, only the sound of the main screen is heard.

Enjoying stereo or bilingual programs

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.

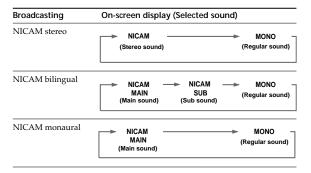


Press A/B repeatedly until you receive the sound you want.

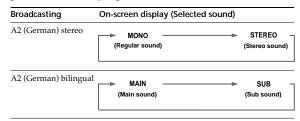
The on-screen display changes to show the selected sound and the O indicator on the projection TV lights up red.



When receiving a NICAM program



When receiving an A2 (German) program



Receiving area for NICAM and A2 (German) programs

| System | Receiving area |
|-------------|--|
| NICAM | Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc. |
| A2 (German) | Australia, Malaysia, Thailand, etc. |

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO". The sound becomes monaural, but the noise is reduced.
- Before receiving a NICAM stereo program in China, please check the NICAM broadcast condition at your area. When receiving a NICAM stereo program, the receiving conditions might vary depending on area. In addition, different strength of the NICAM broadcast signal might affect the receiving quality.

If the sound is distorted or noisy when receiving a monaural program through the \(\pi \) (antenna) terminal

Press A/B repeatedly until "MONO" appears on the screen.

To cancel the monaural sound setting, press A/B again until "AUTO" appears on the screen.

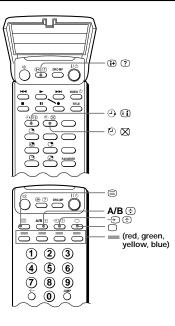


Notes

- The "MONO" or "AUTO" setting is memorized for each program
- You cannot receive a stereo broadcast signal when the projection TV is in the "MONO" setting. Normally, set the projection TV to "AUTO".

Viewing Teletext

Some TV stations broadcast an information service called Teletext which allows you to receive various information, such as stock market reports and news.



Displaying Teletext

Select a TV channel that carries the Teletext broadcast you want to watch.



A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100?" is displayed at the top left corner of the screen after approximately 10 seconds.



To turn off Teletext

Press \square .

Additional Teletext tasks

| То | Do this |
|--|--|
| display a Teletext page on the TV picture | Press \blacksquare . Each time you press \blacksquare , the screen changes as follows: Teletext \rightarrow Teletext and TV \rightarrow TV. |
| check the contents of a Teletext service | Press ①. An overview of the Teletext contents, including page numbers, appears on the screen. |
| select a Teletext page | Press the number buttons to enter the three-digit page number of the desired Teletext page.* If you make a mistake, reenter the correct page number. To access the next or previous page, press PROGR +/ |
| hold (pause) a Teletext page (stop the page from scrolling) | Press (a) to display the symbol "(b)" at the top left corner of the screen. To resume normal Teletext viewing, press (a) or (a). |
| reveal concealed information (e.g., an answer to a quiz) | Press ②. To conceal the information, press the button again. |
| enlarge the Teletext display | Press ⊕. Each time you press ⊕, the Teletext display changes as follows: Enlarge upper half → Enlarge lower half → Normal size. |
| stand by for a Teletext page while watching a TV program | 1 Enter the Teletext page number that you want to refer to, then press ⋈. |
| | 2 When the page number is displayed, press to show the text. |

^{*} You can also select a Teletext page of any page number that appears in the colored column at the bottom of the screen using the corresponding colorcoded button on the remote.

Using FASTEXT

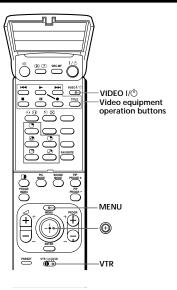
This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcast, colored menus appear at the bottom of the screen. The color of each menu corresponds to the color-coded buttons on the remote (red _____, green , yellow , and blue).

To access a FASTEXT menu

Press the color-coded button on the remote corresponding to the menu you want. The menu page appears on the screen after a few seconds.

Operating optional components

You can use the supplied remote to operate Sony video equipment such as Beta, 8 mm, VHS or DVD.



Setting up the remote to work with other connected equipment

Switch VTR to select the desired equipment type (see the chart below).

For example, to operate a Sony 8 mm VCR:



| To control | Select | |
|-------------|--------|--|
| DVD | DVD | |
| VTR1 (Beta) | 1 | |
| VTR2 (8 mm) | 2 | |
| VTR3 (VHS) | 3 | |

Notes

- If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the VTR switch.
- If the equipment does not have a certain function, the corresponding button on the remote will not operate.

Operating a VCR using the remote

| То | Press |
|--|--|
| turn on/off | VIDEO I / 🖰 |
| record | while pressing ●. |
| play | > |
| stop | |
| fast forward (►►) | ▶ |
| rewind the tape (◀◀) | H44 |
| pause | Press again to resume normal playback. |
| search the picture forward (►►) or backward (◀◀) | ▶▶ or I◀◀ during playback. Release to resume normal playback. |

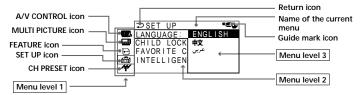
Operating a DVD player using the remote

| То | Press |
|--|--|
| turn on/off | VIDEO I /Ů |
| play | > |
| stop | |
| pause | II . |
| | Press again to resume normal playback. |
| step through different tracks of an audio disc | ▶► to step forward or ► to step backward. |
| display the title menu | TITLE |
| display the menu | MENU while holding down ●. |
| select the menu item | Move ⊕ up, down, left or right while holding down ●. |

Adjusting Your Setup (MENU)

Introducing the menu system

The MENU button lets you open a menu and change the settings of your projection TV. The following is an overview of the menu system.



| Level 1 | Level 2 | Level 3/Function |
|------------------|-----------------|---|
| "A/V CONTROL" | "DRC-MF" | Select the "DRC-MF" mode: "DRC1250" \rightarrow "DRC100" |
| | "PICTURE MODE" | Select the picture mode: "DYNAMIC" → "STANDARD" → "HI-FINE" → "PERSONAL" → "ADJUST" |
| | "ADJUST" | Adjust the "PERSONAL" option: "PICTURE" → "COLOR" → "BRIGHT" → "HUE" → "SHARP" |
| | "SOUND MODE" | Select the sound mode: "DYNAMIC" → "DRAMA" → "SOFT" → "PERSONAL" → "ADJUST" |
| | "ADJUST" | Adjust the "PERSONAL" option: "BASS" → "TREBLE" → "BALANCE" |
| | "SPEAKER" | Select the "SPEAKER" mode: "MAIN" → "CENTER IN" |
| "MULTI | "PIP" | Activate or deactivate the PIP feature. |
| PICTURE" | "PIP POSITION" | Change the position of the sub screen. |
| ₩. | "SWAP" | Swap the pictures between the main and sub screens. |
| | "TWIN" | Display a TV program or video beside the main screen. |
| | "PROGRAM INDEX" | Display all the preset TV programs at the same time. |
| "FEATURE" | "WIDE MODE" | Activate or deactivate WIDE MODE feature. |
| | "ECO MODE" | Activate or deactivate ECO MODE feature. |
| | "GAME MODE" | Activate or deactivate GAME MODE feature. |

Level 1

"SET UP"

"CH PRESET"

4

Level 2

VOL" "AUTO PROGRAM"

"SKIP"

"TV SYS"

"COL SYS"

"LANGUAGE"

"CHILD LOCK"

"FAVORITE CH"

"INTELLIGENT

'MANUAL

PROGRAM"

Level 3/Function

Change the menu language:

Lock out specific channels.

Adjust the volume automatically.

"B/G" \rightarrow "I" \rightarrow "D/K" \rightarrow "M"

Skip unwanted or unused program numbers.

"AUTO" \rightarrow " PAL" \rightarrow "SECAM" \rightarrow "NTSC3.58" \rightarrow

Preset channels automatically.

Preset channels manually.

Select the TV system:

"NTSC4.43"

Select the color system:

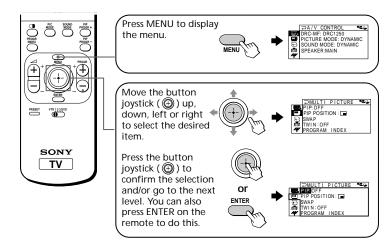
Set favorite channels.

"ENGLISH" \rightarrow " $\mathbf{\dot{q}}$ " (Chinese) \rightarrow "عربي" (Arabic)

| _ |
|---------|
| Adjust |
| sting Y |
| our S |
| etup |
| MEN |

Introducing the menu system (continued)

How to use the menu



Other menu operations

| То | Press/Move |
|--------------------------------------|---------------------------------|
| Adjust the setting value | Move 📵 up, down, left or right. |
| Move to the next/previous menu level | Move 📵 left or right. |
| Cancel the menu | Press MENU. |

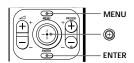
Tips

- If you want to exit from Menu level 2 to Menu level 1, move 📵 up or down until the return icon (□) is highlighted, then press ⊕ or ENTER.
- The MENU, ENTER, and ∠ +/- buttons on the projection TV can also be used for the operations above.
- The ♦ + and ♦ buttons on the projection TV can also be used instead of moving the button joystick ((1) up or down.

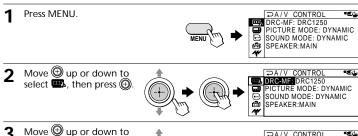
• If more than 60 seconds elapse between entries, the menu screen automatically disappears.

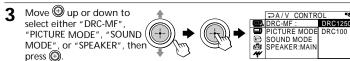
continued

Changing the "A/V CONTROL" setting

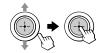


The "A/V CONTROL" menu allows you to adjust the picture and sound settings.





Move
up or down to select the desired option, then press (1).



| For | Select |
|----------------|--|
| "DRC-MF" | either "DRC1250" or "DRC100". |
| "PICTURE MODE" | either "DYNAMIC", "STANDARD", "HI-FINE", "PERSONAL"*, or "ADJUST". |
| "SOUND MODE" | either "DYNAMIC", "DRAMA", "SOFT", "PERSONAL"*, or "ADJUST". |
| "SPEAKER" | either "MAIN" or "CENTER IN". |
| | |

* When the "PERSONAL" mode is selected, the last adjusted picture/sound settings from the "ADJUST" option are received (see page 34).

 For details on the options under the "DRC-MF", "PICTURE MODE"/ "SOUND MODE", and "SPEAKER" modes, see pages 18, 17 and 35 respectively.

To return to the normal screen

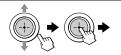
Press MENU.

continued

Changing the "A/V CONTROL" setting (continued)

Adjusting the "ADJUST" options under "PICTURE MODE"

Move
up or down to select the desired item (e.g., "COLOR"), then press (+).



COLOR |||||||||||||||| 80

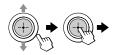
Adjust the value according to the following table, then press (

| For | Move down or left to | Move up or right to |
|-----------|--------------------------------|------------------------------|
| "PICTURE" | decrease picture contrast | increase picture contrast |
| "COLOR" | decrease color intensity | increase color intensity |
| "BRIGHT" | darken the picture | brighten the picture |
| "HUE"* | increase red picture tones | increase green picture tones |
| "SHARP" | soften the picture | sharpen the picture |
| | * You can adjust "HUE" for the | NTSC color system only. |

Repeat the above steps to adjust other items. The adjusted settings will be received when you select "PERSONAL".

Adjusting the "ADJUST" options under "SOUND MODE"

Move ⊕ up or down to select the desired item (e.g., "BALANCE"), then press (+).



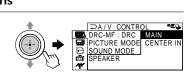
BALANCE00

Adjust the value according to the following table, then press . For Move "BASS" down or left to decrease the bass, up or right to increase the bass. "TREBLE" down or left to decrease the treble, up or right to increase the treble. "BALANCE" down or left to increase the left speaker's volume, up or right to increase the right speaker's volume.

Repeat the above steps to adjust other items. The adjusted settings will be received when you select "PERSONAL".

Setting the "SPEAKER" options

In the "SPEAKER" menu, move (1) up or down to select the desired option (see table below).



| Select | То |
|-------------|--|
| "MAIN" | listen to the sound from a projection TV. |
| "CENTER IN" | use the projection TV speakers as center speakers. |

Press (19) to confirm the selected option.

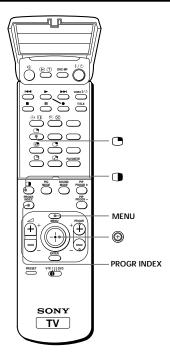


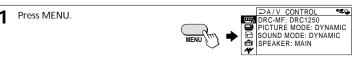
Tip

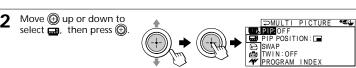
• For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 30.

Changing the "MULTI PICTURE" setting

The "MULTI PICTURE" menu allows you to use the Picture-in-Picture (PIP), TWIN pictures, or PROGRAM INDEX features.







Move @ up or down to select the desired option (see the table below), then press @.



| Select | То |
|-----------------|--|
| "PIP" | display the PIP screen within the main picture. Move ③ up or down to select "ON", then press ⑤. |
| | To cancel, press → or select "OFF", then press ⊕. |
| "PIP POSITION" | change the position of the PIP screen. Move ③ up or down to select the desired position, then press ⑤. |
| | → → → → |
| "SWAP" | swap the main and PIP screens, or right and left pictures of the TWIN pictures. |
| "TWIN" | display a different TV program or video beside the main picture. Move up or down to select "ON", then press . To cancel, press or select "OFF", then press . |
| "PROGRAM INDEX" | view multiple programs on the sub-screens. To cancel, press PROGR INDEX. |

To return to the normal screen

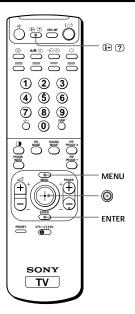
Press MENU.

Tip

• For details on the menu system and how to use the menu, see "Introducing the menu system" on page 30.

Changing the "FEATURE" setting

The "FEATURE" menu allows you to change the size of the picture on the screen when receiving wide mode (16:9) picture signals. You can also adjust the picture setting that is suitable for viewing video games, and reduce the power consumption of your projection TV.

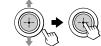








Move (a) up or down to select the desired option (see the table below), then press (19).



| Select | То |
|-------------|--|
| "WIDE MODE" | change the size of the picture when receiving wide-mode (16:9) picture signal. |
| | Move $\textcircled{1}$ up or down to select "ON", then press $\textcircled{2}$. |
| | To restore the normal picture size, select "OFF" then press . |
| "ECO MODE" | reduce power consumption of your projection TV to save energy |
| | Move (19) up or down to select "ON", then press (19). To cancel, select "OFF", then press (19). |
| "GAME MODE" | adjust the picture setting that is suitable to view video games. |
| | Move $\textcircled{9}$ up or down to select "ON", then press $\textcircled{9}$. To cancel, select "OFF", then press $\textcircled{9}$. |

- When you turn on "ECO MODE", the picture may become dimmer. Turning "ECO MODE" off will restore the picture to its original setting.
- "WIDE MODE" is available only when you have selected DRC1250 (NTSC mode) in the "A/V CONTROL" menu with video input or DVD
- "WIDE MODE" and "GAME MODE" is available only when receiving signals through the 🕘 (video input), 🕣 (S video input), or (component video input) jacks at the front and rear of your projection TV.
- If "ECO MODE" is on, the ECO MODE (and) icon will appear at the bottom right corner of the screen when you turn on the projection TV or when you press (+) on the remote. (See pages 13 and 14)

To return to the normal screen

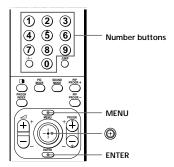
Press MENU.

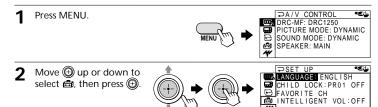
· For details on the menu system and how to use the menu, see "Introducing the menu system" on page 30.

Adjusting Your Setup (MENU) | 39

Changing the "SET UP" setting

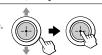
The "SET UP" menu allows you to: change the menu language, block channels, adjust the picture position, program your favorite channels, and adjust the volume automatically.





Move ⊕ up or down to select the desired option, then press (19).

select 🕮, then press 🕀

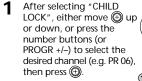


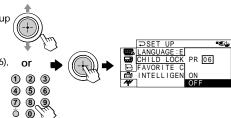
| Select | То |
|----------------------|---|
| "LANGUAGE" | change the menu language (see page 15). |
| "CHILD LOCK" | block channels (see page 41). |
| "FAVORITE CH" | select your favorite channels (see pages 19 and 42). |
| "INTELLIGENT VOL" | adjust the volume of all TV programs automatically. Move up or down to select "ON", then press to cancel, select "OFF", then press |

To return to the normal screen

Press MENU.

Blocking channels ("CHILD LOCK")





2 Move (19) up or down to select "ON", then press 🕀. To unlock the channel, select "OFF".

The lock symbol (🔒) appears on the screen when "ON" is selected.

If a locked channel is selected, the lock symbol appears on the screen.



a

CHILD LOCK PRO6 ON

INTELLIGENT VOL:OFF

Repeat steps 1 and 2 to lock other channels.

To return to the normal screen

Press MENU.

• If you preset a locked channel, that channel will be unlocked automatically (see page 43).

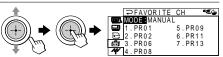
continued

Changing the favorite channel setting

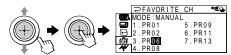
After selecting "FAVORITE CH", make sure "MODE" is selected, then press 🕀.



Move (19) up or down to select "MANUAL", then press 🕀.



Move (11) up or down to select the program you want to change, then press 🕀.



Move (1) up or down to change the number, then press 🕀.



Repeat steps 3 and 4 to set other channels.

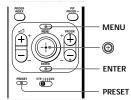
To return to the normal screen

Press MENU.

• If you press the PROGR +/- buttons or number buttons in step 4 above, the projection TV will display the channel immediately.

Changing the "CH PRESET" setting

The "CH PRESET" menu allows you to adjust the setup of your projection TV. For example, you can manually tune in a channel with a weak signal that fails to be tuned in by automatic presetting.



Press MENU.



Move (1) up or down to select / then press (1).



Move (1) up or down to select the desired option, then press (19).



| Select | То |
|------------------|--|
| "AUTO PROGRAM" | preset channels automatically. |
| "MANUAL PROGRAM" | preset channels manually. See "Presetting channels manually" on page 44. |
| "SKIP" | skip unwanted or unused channels. 1 Either move up or down, or press the number buttons (or PROGR +/-) until the unused or unwanted channel number appears, then press . 2 Select "ON", then press . 3 To disable other channels, repeat steps 1 and 2. To restore the skipped channel, select "OFF" in step 2. |
| "TV SYS" | select the TV system. |
| "COL SYS" | select the color system. Normally, set this to "AUTO". |

To return to the normal screen

Press MENU.

• For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 30.

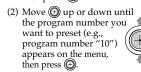
continued

Adjusting Your Setup (MENU) | 43

Changing the "CH PRESET" setting (continued)

Presetting channels manually

- After selecting "MANUAL PROGRAM", select the program number to which you want to preset a channel.
 - (1) Make sure "PR" is selected. then press .



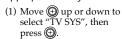


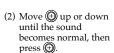


- You can also select the "MANUAL PROGRAM" menu directly by pressing the PRESET button on the remote.
- You can also select the program number with the PROGR +/- or number buttons.
- Select the desired channel.
 - (1) Move (1) up or down to select either "VHF LOW" "VHF HIGH", or "UHF" then press (1).
 - (2) Move (1) up or down until the desired channel's broadcast appears on the TV screen, then press (#)



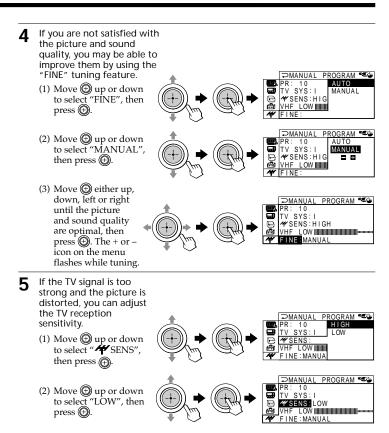
- TV SYS:B/G *SENS: HIGH VHF LOW
- If the sound of the desired channel is abnormal, select the appropriate TV system.











To return to the normal screen

Press MENU.

Notes

- The TV system ("TV SYS") and the TV reception sensitivity ("#SENS") settings are memorized for each program number.
- If you preset a locked channel, that channel will be unlocked automatically (see page 41).

Additional Information

Troubleshooting

If you have any problem while viewing your TV, please check the following troubleshooting guide. If the problem persists, contact your Sony dealer.

| Symptom | Possible cause | Solutions | Page |
|---------------------------|--|--|----------|
| Snowy picture | The connection is loose or the cable is damaged. | Check the antenna cable and connection on the projection TV, VCR and at the wall. | 5 |
| | Channel presetting is inappropriate or incomplete. | Press the PRESET button to display the "MANUAL PROGRAM" menu and preset the channel again. | 44 |
| Noisy sound | The antenna type is inappropriate. | Check the antenna type (VHF/UHF). Contact a Sony dealer for advice. | - |
| | The antenna direction needs adjustment. | Adjust the antenna direction. Contact a Sony dealer for advice. | - |
| | Signal transmission is low. | Try using a booster. | - |
| Distorted picture | Broadcast signals are too strong. | Press the PRESET button to display the "MANUAL PROGRAM" menu. Then, select "# SENS: LOW". | 45 |
| Noisy sound | | Turn off or disconnect the booster if it is in use. | - |
| | | | |
| Good picture Noisy sound | • The TV system setting is inappropriate. | If the sound of all the channels are noisy, display the "CH PRESET" menu and select "AUTO PROGRAM" to preset the channels again. | 43 |
| | | If the sound of some channels is noisy, select the channel, then display the "CH PRESET" menu and select the appropriate TV system ("TV SYS"). | 44 |
| No picture | The power cord, antenna or VCR is not connected. | Check the power cord, antenna and the VCR connections. | 5 |
| No sound | The projection TV is not turned on. | Press I/O on the remote. Press ① on the TV to turn off the projection TV for about five seconds, then turn it on again. | 13 14 |

| Symptom | Possible cause | Solutions | Page |
|---|---|--|------|
| Good picture | The volume level is too low. | Press → + to increase the volume level. | 14 |
| | The sound is muted. | Press to cancel the muting. | 14 |
| No sound | The broadcast signal has a transmission problem. | Press A/B until a better sound is heard. | 24 |
| | The "SPEAKER" setting in the "AV CONTROL" menu is inappropriate. | When connecting to D ← C- (center speaker input) on your projection TV to use the projection TV speakers as center speakers, set SPEAKER: CENTER IN, or set SPEAKER: MAIN to listen to the sound from a projection TV. | 35 |
| Dotted lines or stripes | There is local interference from cars, neon signs, hair dryers, | Do not use a hair dryer or other equipment near the projection TV. | - |
| ○ · · · · · · · · · · · · · · · · · · · | power generators, etc. | Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice. | _ |
| Double images or | Broadcast signals are | Use a highly directional antenna. | - |
| "ghosts" | reflected by nearby mountains or buildings. | Use the fine tuning ("FINE") function. | 45 |
| | The antenna direction needs adjustment. | Adjust the antenna direction. Contact a Sony dealer for advice. | - |
| | Use of a booster is inappropriate. | Turn off or disconnect the booster if it is in use. | - |
| No color | The color level setting is too low. | Display the "A/V CONTROL" menu and select "ADJUST" of "PICTURE MODE", then adjust the "COLOR" level. | 34 |
| | The color system setting is inappropriate. | Display the "CH PRESET" menu and check the color system ("COL SYS") setting (usually set this to "AUTO"). | 43 |
| | The antenna direction needs adjustment. | Adjust the antenna direction. Contact a Sony dealer for advice. | - |
| Abnormal color patches | The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the projection TV. | Locate external speakers or other equipment away from the projection TV. Do not move the projection TV while the projection TV is turned on. Press ① on the projection TV to turn off the TV for about five minutes, then turn it on again. | _ |

continued

Additional Information | 47

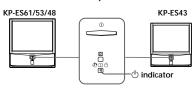
Troubleshooting (continued)

| Symptom | Possible cause | Solutions | Page |
|---|--|---|------|
| Projection TV cannot receive stereo broadcast signal. | The stereo reception setting is inappropriate. | Press A/B until "AUTO" appears on the screen. | 24 |
| Stereo broadcast sound switches on and off or | The connection is loose or the cable is damaged. | Check the antenna cable and connection on the projection TV, VCR and on the wall. | 5 |
| is distorted. O r | The antenna direction needs adjustment. | Adjust the antenna direction. Contact a Sony dealer for advice. | - |
| The sound switches between stereo and monaural frequently. | The broadcast signal has a transmission problem. | Press A/B until a better sound is heard. | 24 |
| "100?" appears at the top of the screen after approximately 10 seconds and there is no Teletext display. | The channel carries no Teletext broadcast. | _ | 26 |
| Teletext display is incomplete (snowy picture or double images). | Connection is loose or the cable is damaged. | Check the antenna cable and connection on the projection TV, VCR, and at the wall. | 5 |
| | The antenna direction is inappropriate. | Adjust the antenna direction. Contact a Sony dealer for advice. | - |
| | Signal transmission | Try using a booster. | - |
| | is too low. | Use the fine tuning ("FINE") function. | 45 |
| Lines moving across the TV screen. | There is interference from external sources, e.g., heavy machineries, nearby broadcast station. | Use the fine tuning ("FINE") function. | 45 |
| Cannot play shooting games. | Some shooting games which involve pointing a light beam at the projection TV screen with an electronic gun or rifle cannot be used with your TV. For detail, see the instruction manual supplied with the video game software. | _ | - |

| Symptom | Possible cause | Solutions | Page |
|--|---|-----------|------|
| TV cabinet creaks. | Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction. | _ | - |
| Static discharge is felt when touching the TV cabinet. | This is the same static discharge that is felt when touching metal door handles or car doors especially when the air is dry, for example in winter. This does not indicate a malfunction. | _ | - |

Self-diagnosis function

Your projection TV is equipped with a self-diagnosis function. If there is a problem with your projection TV, the \circlearrowleft (standby) indicator flashes red. The number of times the \circlearrowleft indicator flashes indicates the possible causes.

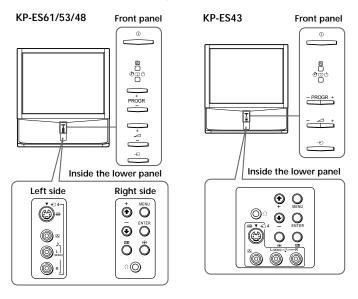


- 1 Check that the () indicator flashes red a number of times between 3-second intervals.
- 2 Count the number of times the \circlearrowleft indicator flashes.
- **3** Press ① (main power) to turn off your projection TV.
- 4 Inform your nearest Sony service center about the number of times the \circlearrowleft indicator flashed.

Be sure to note the model name and serial number located on the rear of your projection TV. $\label{eq:control}$

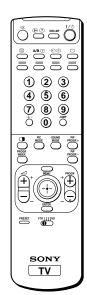
Identifying parts and controls

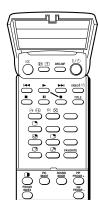
Front and inside the lower panels



| Button | Function | Page |
|-------------------------|---|------|
| Front panel | | |
| 0 | Turn off completely or turn on the projection TV. | 13 |
| PROGR + | /- Select program number. | 13 |
| ∠ +/- | Adjust volume. | 14 |
| → | Select TV or video input. | 14 |
| Inside the lov panel | ver | |
| MENU | Display the menu. | 32 |
| ENTER | Confirm selected items. | 32 |
| + | Adjust convergence. | 7 |
| F | Preset channel automatically. | 6 |
| ★ +/ ▼ - | Select menu item. | 32 |
| 0 | Headphone jack | - |

Remote control





The names/symbols of buttons on the remote are indicated in different colors to represent the available functions.

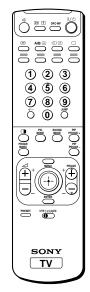
| Label color | Button function |
|-------------|---------------------------|
| White | For general TV operations |
| Green | For Teletext operations |
| Yellow | For PIP operations |

| Button | Function | Page |
|-----------------------------|--|------|
| 1/0 | Turn off temporarily or turn on the projection TV. | 13 |
| PROGR +/- | Select program number. | 13 |
| 0 – 9, -/ | Input numbers. | 13 |
| (i+) | Display on-screen information. | 14 |
| □% | Mute the sound. | 14 |
| 0 | Display the TV program. | 14 |
| Ð | Select TV or video input. | 14 |
| ⊿ +/- | Adjust volume. | 14 |
| JUMP | Jump to previous channel. | 14 |
| Timer operations | | |
| (e) | Set projection TV to turn on automatically. | 16 |
| e | Set projection TV to turn off automatically. | 16 |
| SOUND MODE | Select sound mode. | 17 |
| PIC MODE | Select picture mode. | 17 |
| DRC-MF | Select DRC-MF mode. | 18 |
| Favorite Channel of | operations | |
| FAVORITE | Display favorite channels. | 19 |
| (| Select desired channel. | 19 |
| PIP and Twin pictu | re operations | |
| | Display the PIP screen. | 20 |
| | Display TWIN pictures. | 20 |
| <u> </u> | Adjust Twin picture size. | 21 |
| PIP PROGR +/ PIP PROGR - | Change program in PIP/ Twin picture. | 21 |
| • | Select video input for PIP/ Twin picture. | 21 |
| Ø | Swap main and PIP/Twin picture. | 21 |
| <u> </u> | Freeze PIP screen. | 21 |
| • | Adjust position of PIP screen. | 21 |

continued

Additional Information | 51

Identifying parts and controls (continued)



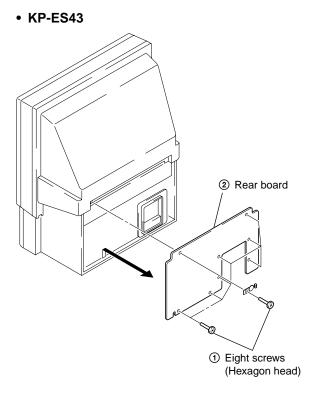


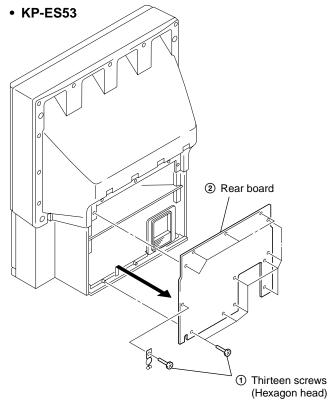
| | Button | Function | Page | |
|-----------------|------------------------------|---|------|--|
| Prog | ram Index op | erations | | |
| | ROGR INDEX | Display all preset TV programs. | 22 | |
| PI | ROGR +/- | View next/previous 12 TV programs. | 22 | |
| € | | Select desired channel. | 23 | |
| | eo/bilingual o | | | |
| | /B | Select stereo/bilingual mode. | 24 | |
| Telet | ext operation | IS | | |
| _(= | ∋ | Display Teletext broadcast. | 26 | |
| _€ | i) | Display Teletext service contents. | 27 | |
| (3 | Ð | Stop Teletext page from scrolling. | 27 | |
| _(7 |) | Reveal concealed information. | 27 | |
| _G | Ð | Enlarge the Teletext display. | 27 | |
| Q | 3 | Show TV screen while waiting for Teletext page. | 27 | |
| 0 | - 9 | Input Teletext page number. | 27 | |
| P | ROGR +/- | Display the next or previous page. | 27 | |
| ye | (red, green, ellow, blue) | Access a FASTEXT menu. | 27 | |
| Opti | onal compone | ents operations | | |
| V | TR | Set up the remote. | 28 | |
| V | IDEO I/Ů | Power. | 29 | |
| T | ITLE | Display the title menu. | 29 | |
| ▶ | - | Play. | 29 | |
| ▶ | - ▶I | Fast forward/Search forward. | 29 | |
| - | 4 | Rewind/Search backward. | 29 | |
| • | • | Record. | 29 | |
| | ı | Stop. | 29 | |
| I | 1 | Pause. | 29 | |
| Menu operations | | | | |
| Ν | 1ENU | Display the menu. | 32 | |
| (|) | Select, adjust and confirm selected items. | 32 | |
| E | NTER | Confirm selected items. | 32 | |
| PRES | ET | Display "MANUAL PROGRAM" menu. | 44 | |

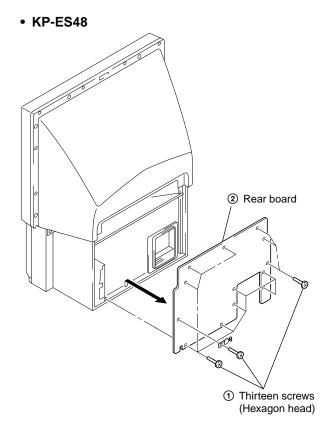
SECTION 3 DISASSEMBLY

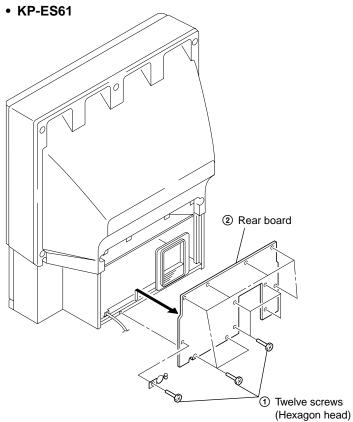
3-1. REAR BOARD REMOVAL





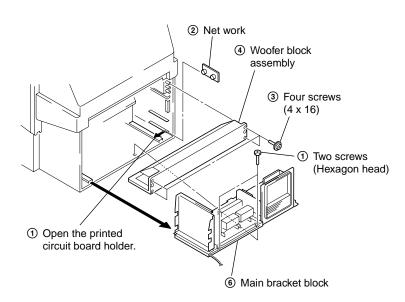






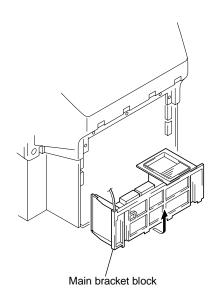
3-2. MAIN BRACKET BLOCK REMOVAL

• KP-ES43

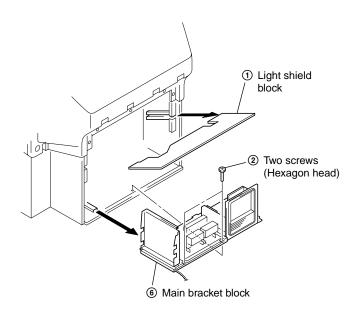


3-3. SERVICE POSITION

• KP-ES43/ES48/ES53/ES61

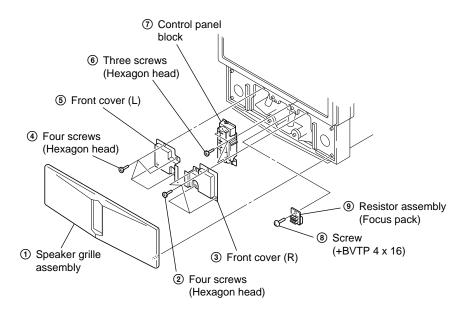


• KP-ES48/ES53/ES61

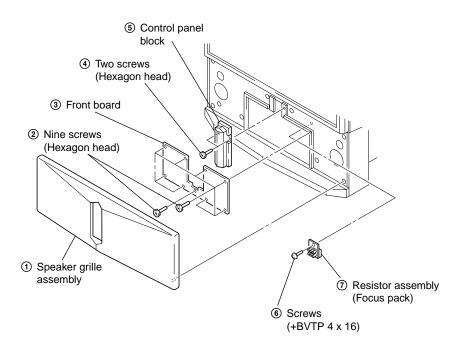


3-4. CONTROL PANEL BLOCK AND RESISTOR ASSEMBLY (FOCUS PACK) REMOVAL

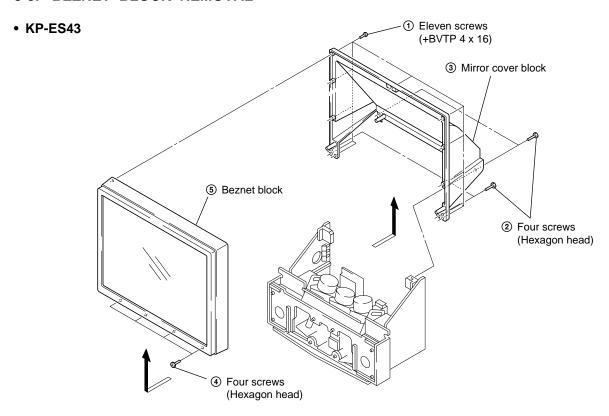
• KP-ES43

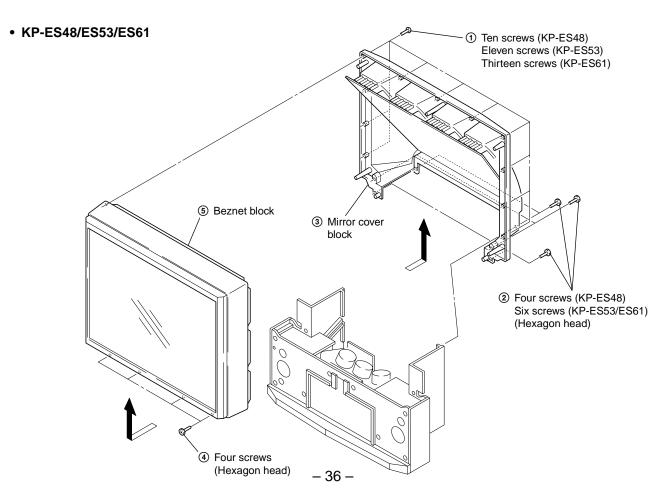


• KP-ES48/ES53/ES61



3-5. BEZNET BLOCK REMOVAL

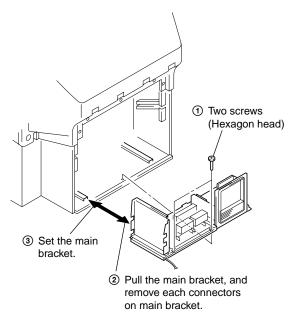




3-6. CHASSIS BLOCK REMOVAL

(1) MAIN BRACKET REMOVAL

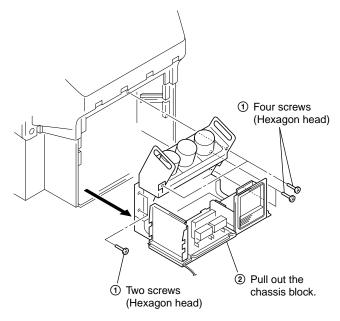
• KP-ES43/ES48/ES53/ES61



※ Pay particular attention to the wires of each Printed circuit boards when puling out the main bracket.

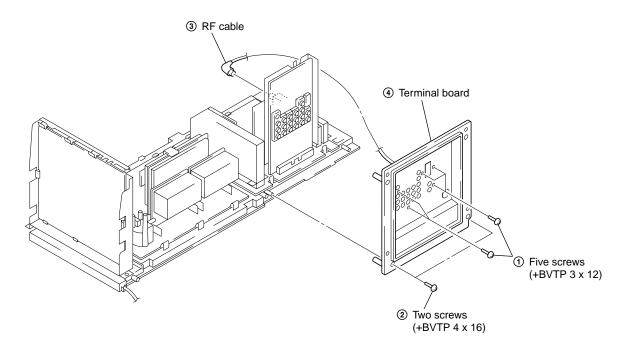
(2) CHASSIS BLOCK REMOVAL

KP-ES43/ES48/ES53/ES61

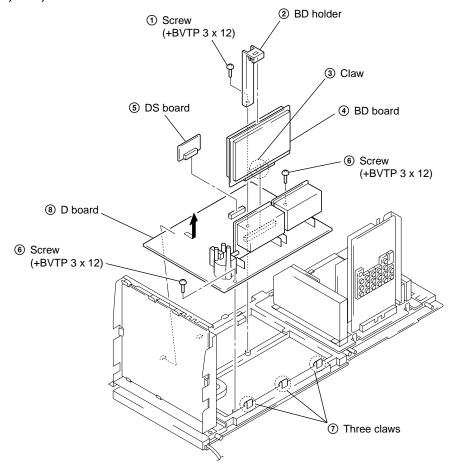


At this time, pay particular attention to the components removed in (1).

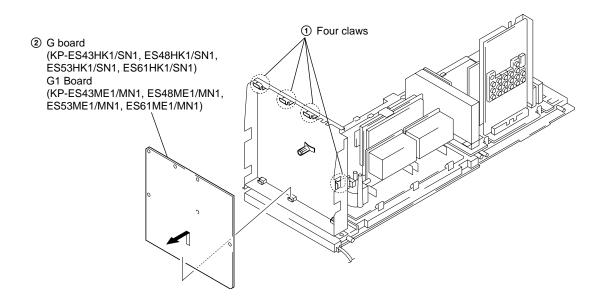
3-7. TERMINAL BOARD REMOVAL



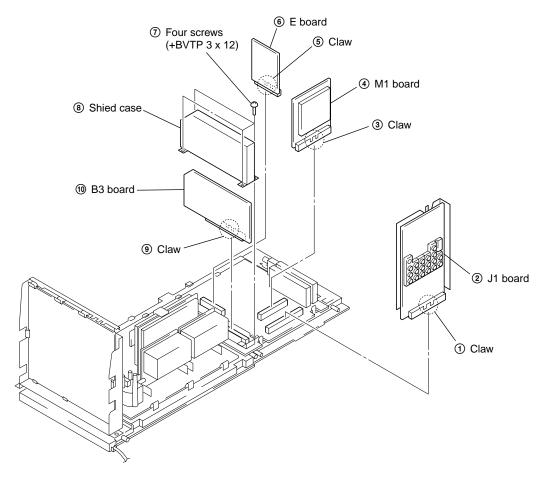
3-8. BD, DS, D BOARDS REMOVAL



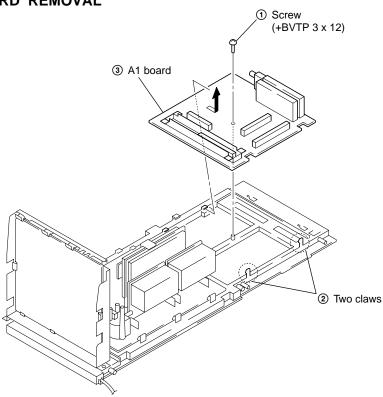
3-9. G, G1 BOARD REMOVAL



3-10. J1, B3, E, M1 BOARDS REMOVAL

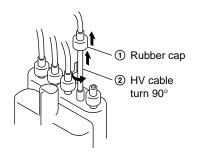


3-11. A1 BOARD REMOVAL

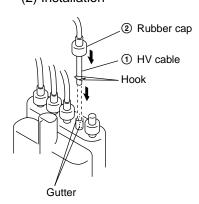


3-12. HIGH-VOLTAGE CABLE REMOVAL AND INSTALLATION

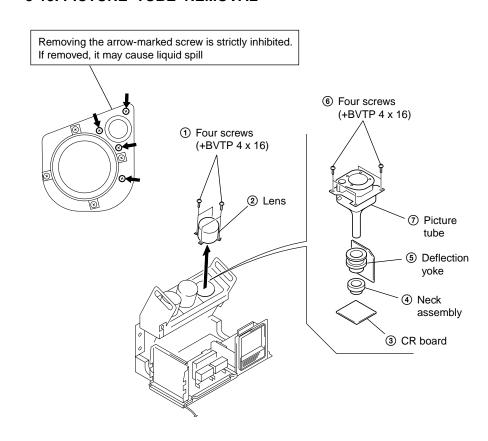
(1) Removal



(2) Installation



3-13. PICTURE TUBE REMOVAL



SECTION 4

SET-UP ADJUSTMENTS

4-1. SCREEN VOLTAGE ADJUSTMENT (ROUGH ALIGNMENT)

- 1. Receive the Monoscope signal.
- 2. Set 50% BRIGHTNESS and minimum PICTURE.
- Turn the red VR on the focus pack all the way to the left and then gradually turn it to the right until the point where you can see the retrace line.
- 4. Next gradually turn it to the left to the position where the retrace line disappears.

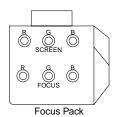


Fig. 4-1

4-2. SCREEN (G2) ADJUSTMENT

- 1. Turn on the power of the set.
- 2. Select VIDEO1 mode without signals.
- Supply DC 175 ±0.5 V from external power supply to TP7103 (KR), TP7203 (KG) or TP7303 (KB) of CR board, CG board and CB board.
- 3. Adjust red, green and blue screen voltage to until retrace line disappears with screen VR on the focus pack.

4-3. FOCUS ROUGH ADJUSTMENT

- 1. Loose the lens screw.
- 2. Set in the service mode. (Refer to SECTION 6.)
- 3. Place the caps on the red and blue lens so that only the green color is shown.
- 4. Press "①" or "④" button on the commander and select "PJE", press "⑥" three times on the Commander to display the test signal (crosshatch) on the screen.

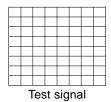
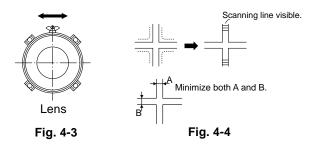


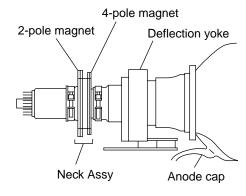
Fig. 4-2

- 5. Rotate the green lens and align to obtain the best lens focus at the center area.
- 6. Rotate the green focus VR on the focus pack and align to obtain the best electrical focus in the top right corner.
- Perform the same alignment for red and blue lenses and electric focus.
- 8. Fix lens screw.



4-4. DEFLECTION YOKE TILT ADJUSTMENT

- 1. Receive the Monoscope signal.
- 2. Place the caps on the red and blue lens so that only the green color
- 3. Loosen the deflection yoke setscrew and align the tilt of the Deflection yoke so that the bars at the center of the monoscope pattern are horizontal.
- 4. After aligning the deflection yoke, fasten it securely to the funnel-shaped portion (neck) of the CRT.
- The tilt of the deflection yoke for red and blue is aligned the same as was done for green.

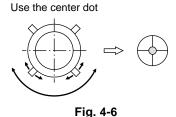


Make sure deflection yoke is touching CRT closely.

Fig. 4-5

4-5. 2-POLE MAGNET ADJUSTMENT

- 1. Receive the Dot signal.
- 2. Place the caps on the red and blue lens so that only the green color is shown.
- 3. Turn the green focus VR on the focus pack to the right and set to over focus to enlarge the spot.
- 4. Now align the 2-Pole Magnet so that the enlarged spot is in the center of the just focus spot. (center of the dot doesn't move)
- 5. Align the green focus VR and set for just (precise) focus.
- 6. Perform the same alignment for red and blue.



4-6. 4-POLE MAGNET ADJUSTMENT

- 1. Receive the Dot signal.
- 2. Place the caps on the red and blue lens so that only the green color is shown.
- 3. Turn the green focus VR on the focus pack to the left and set to under focus to enlarge the spot.
- 4. Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle.
- 5. Perform the same alignment for red and blue.

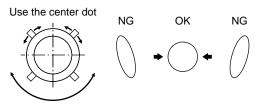


Fig. 4-7

4-7. GREEN, RED AND BLUE FOCUS **ADJUSTMENT**

4-7-1. Green, Red and Blue Lens Focus Adjustment

- 1. Receive the Monoscope signal.
- Place the caps on the red and blue lens so that only the green color is shown.
- Rotate the green lens and adjust to obtain the best lens focus at the center area.
- Fix lens screw.
- 5. Repeat above process for red and blue.

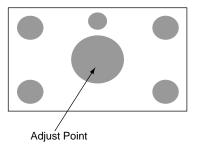


Fig. 4-8

4-7-2. Green, Red and Blue Electrical Focus Adjustment

- 1. Receive the Monoscope signal.
- 2. Place the caps on the red and blue lens so that only the green color is shown.
- Rotate the green focus VR on the focus pack and adjust to obtain the best electrical focus in the adjust point.
- 4. Repeat above process for red and blue.
- 5. Repeat adjustment items 4-3. FOCUS ROUGH ADJUST-MENT, 4-5. 2-POLE MAGNET ADJUSTMENT, 4-6. 4-POLE MAGNET ADJUSTMENT and 4-7. GREEN, RED AND BLUE FOCUS ADJUSTMENT, and adjust to obtain the best focus.

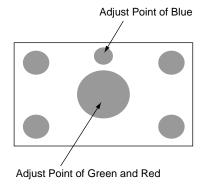


Fig. 4-9

SECTION 5 SAFETY RELATED ADJUSTMENT

When replacing the following components marked with a on the schematic diagram, always check hold-down voltage and if necessary re-adjust.

| Part Replaced (■) | |
|-------------------|--|
| R9901 | |

| | Part Replaced (∠) |
|---------|------------------------------------|
| D Board | C5117, C5123, C5127, C5143, D5115, |
| | D5204, Q5104, R5136, R5138, R5140, |
| | R9901, T5102, T5104, T5103 (FBT) |
| G Board | C6024, C6032, D6020 |



- 1. Connect HV static voltmeter to HV Block.
- 2. Mount a resistor (R9901 : 43 k Ω , 1/4 W, METAL FILM) at CN5003.
- 3. Remove CN5002 and connect External Power Supply to CN5002 ① pin (+135 V) and ② pin (GND).
- 4. Turn on the set.

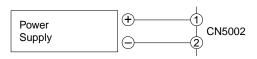
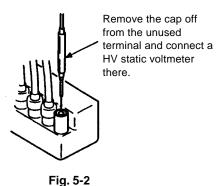


Fig. 5-1



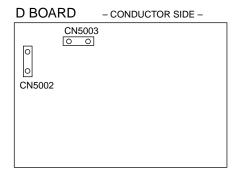


Fig. 5-3



Fig. 5-4

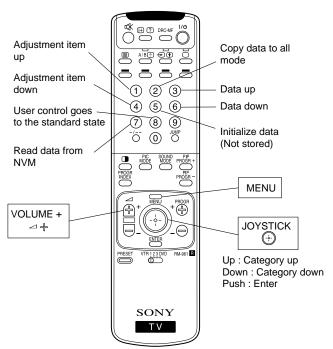
- 5. Receive the Dot signal and set PICTURE/BRIGHTNESS to minimum.
- 6. Slowly up the supply voltage from 0 V to 135 V until hold-down circuit works (picture disappear).
- 7. Read the HV static voltmeter of peak HV voltage. Spec: 33.7 ~ 35.3 kV
- 8. If Hold-down voltage is less than 33.7 kV then replace R9901 of 43 k Ω with that of 39 k Ω , and check if the voltage is within the spec.
- 9. If hold-down voltage is over than 35.3 kV then replace R9901 of 43 k Ω with that of 47 k Ω , and check if the voltage is within the spec.

SECTION 6 ELECTRICAL ADJUSTMENTS

6-1. ADJUSTMENTS WITH COMMANDER

Service adjustment to this model can performed with the supplied remote commander RM-961

(open the cover) TV STANDBY MUTE I/ψ ₩ Write data to NVM ON SCREEN MDEOL/G DISPLAY (+) **.** ... DRC-MF (blue) Copy PAL data to NTSC PIP SWAP TWIN Change **PROGR** the PICTUER MODE **INDEX**



RM-961

6-1-1. How to Select Each Mode

The adjustment requires the following modes:

| | 50 Hz (PAL) | 60 Hz (NTSC) | WIDE 60 Hz (NTSC) |
|---------|----------------|-----------------|----------------------|
| DRC1250 | 0 | 0 | 0 |
| DRC100 | 0 | 0 | X |
| PIP | 0 | 0 | 0 |
| TWIN | 0 | 0 | X |
| INDEX | 0 | 0 | X |

1. Selection of Mode Between 50 Hz and 60 Hz

50 Hz : Enter the PAL signal.60 Hz : Enter the NTSC signal.

WIDE 60 Hz : Enter the NTSC signal with video input

2. Selection of DRC Mode

Press "DRC-MF (blue)" button on the commander, repeatedly until displays the mode that you want to select on the screen.

Note: The DRC-MF mode is not selectable when using the "PROGRAM INDEX" or "FAVORITE CH" feature, or when the "GAME MODE", "PIP", or "TWIN" mode is turned "ON".

3. Selection of WIDE mode

The WIDE mode is selected only when the DRC1250 of NTSC signal with video input mode is active.

- 1) Enter the NTSC signal with video input.
- Press "DRC-MF (blue)" button on the commander to select "DRC1250".
- Press "MENU" button on the commander and move "⊕" up or down to enter the "FEATURE" → "WIDE MODE".
- 4) Move "(1)" up or down to select "ON" or "OFF", and push "(2)" (ENTER)" button.
- 5) Press "MENU" button to return to normal screen.

4. Selection of PIP mode

- 1) Open the remote control cover, press " (PIP)" button on the commander.
- 2) Press " (PIP)" button again to return to normal screen.

5. Selection of TWIN mode

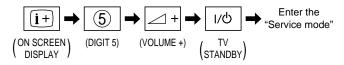
- 1) Press " (TWIN)" button on the commander.
- 2) Press " (TWIN)" button again to return to normal screen.

6. Selection of INDEX mode

- 1) Press "PROGR INDEX" button on the commander.
- Press "PROGR INDEX" button again to return to normal screen.

6-1-2. How to Enter Service Mode

- Turn on the main power switch to place this set in standby mode. (LED will light in red.)
- 2. Press the buttons on the commander as follows, and enter service mode.

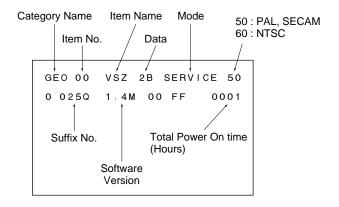


6-1-3. Method of Cancellation from Service Mode

1. Set the standby mode (Press "I/ひ (TV STANDBY)" button on the commander), then press "I/ひ (TV STANDBY)" button again, hereupon it becomes TV mode.

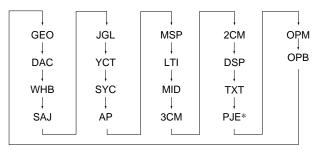
6-1-4. How to Adjustments

1. Set in the service mode, the following screen will appear.



- 2. Press "①" or "②" button on the commander to select the adjustment item.
- 3. Press "3" or "6" button on the commander to change the adjustment data.
- 4. Move "'•" up or down to select the adjustment category.

 When move "'•" up (category up), service mode changes in the order as shown below.



*: When it moves from PJE to other categrys, repeat ① or ② button and press it.

6-1-5. How to Write the Data

- 1. Set in the service mode.
- Press "①" or "④" button on the commander, select the adjustment item, and press "③" or "⑥" button to change the data
- 3. Press "♥ (MUTE)" button on the commander and it will indicate "WRITE" on the screen.
- 4. Press "①" button on the commander to write into memory. (The "WRITE" display will be changed to red color while executing, and back to "SERVICE".)

Commander Function (Except PJE mode)

| Button | Mode | Description |
|------------|---------|--|
| ₩+0 | WRITE | Writes data to NVM. |
| 7 + 0 | READ | Reads data from NVM. |
| 8 + 0 | NORMAL | All user control goes to the standard. |
| 5 + 0 | INITIAL | Service data initialization. Not stored. |
| | | (Be sure not to use usually) |
| 2+0 | COPY | Copies and writes data of DRC1250 |
| | | (50Hz) mode to all other modes. |
| (i+) + (i) | WRT5060 | Copies data of 50 Hz (PAL) mode to |
| | | 60 Hz (NTSC) mode. |

Note: Before changing to other modes, press "♥ (MUTE)" + "⑥" buttons on the commander to write the data.

(Omission of this operation causes the data to be returned to the data before adjustment.)

- : Confirm the adjustment mode before writing data for data values because to vary in each adjustment mode.
- : The adjustment item that there are no relations in the adjustment is not to change data values because all items are written in each adjustment mode.

6-1-6. Memory Write Confirmation Method

- 1. After adjustment, pull put the plug from AC outlet, and then plug into AC outlet again.
- 2. Turn the power switch ON and set in service mode.
- 3. Call the adjustment items again to confirm adjustments were made.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

6-2. SERVICE LIST

Note

- Common: The data value of each mode commonness. Others are set up by each mode.
- Shaded items are fixed data.
- Though data value is indicated on the screen, it is not used.
- Standard data listed on the Adjustment Item Table are reference values, therefore it may be different for each model and for each mode
- Note for Different Data:

Those are the standard data values written on the microprocessor. Therefore, the data values of the modes and stored respectively in the memory.

In case of a device replacement, adjustment by rewriting the data value is necessary for some items.

OPTION NOTE

Category: OPM

Item: COM Comb Operation Selection 00 = automatic operation (depends on color system status)

01 = no comb operation

02 = forced 2D-comb operation 03 = forced 3D-comb operation

Item: **TSY** TV System Selection for Auto TV System 00 = B/G, 01 = I, 10 = D/K, 11 = M

Item: **SSO** Speed CH Search Selection 00 = normal, 01 = 4 times, 10 = 6 times, 11 = 8 times

Item: TRP MPEG/JPEG Noise Reduction

| Bit | bit7 | bit6 | bit5 | bit4 | bit3 | bit2 | bit1 | bit0 |
|-------|------|------|------|---------|---------|---------|---------|------|
| Input | _ | _ | TV | Video 1 | Video 2 | Video 3 | Video 4 | DVD |

Category: **OPB**

| ategory. C | <i>,</i> , , | | | | | | | |
|------------|--------------|-------|------|------------|------|-----------|------|------|
| OP1 | bit7 | bit6 | bit5 | bit4 | bit3 | bit2 | bit1 | bit0 |
| Item | TOP | NICAM | HDEV | (reserved) | _ | DVD Input | AV I | nput |
| Data | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 |

AV Input 00 = no AV Input 01 = 1 AV Input 10 = 3 AV Input 11 = 4 AV Input

| OP2 | bit7 | bit6 | bit5 | bit4 | bit3 | bit2 | bit1 | bit0 |
|------|--------|------------------|----------------|---------|-------|-------------|--------|--------|
| Item | C-Text | Korean Stereo | Korean Mode | A-TVsys | US ST | SSV Mode | OSD La | nguage |
| Data | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

C-Text Text Decoder Selection 0 = original,1 = chineseKorean Stereo* Korean Stereo 0 = disabled, 1 = enabledVideo NTSC 3.58* Video Color System 0 = Multi System,1 = Single System A-TVsys Auto TV System in Auto Program 0 = disabled,1 = enabledUS ST* USA Stereo 0 = disabled,1 = enabled

SSV Model SSV-production Model 0 = original, 1 = disable PIP/TWIN/Digital

OSD Language 00 = English only, 01 = English & Chinese,

10 = English & Arabic/Korean* 11 = English, Chinese & Arabic/Korean*

^{*:} APPLICABLE FOR NTSC MODELS ONLY

V: WIDE (V-Compressed) mode

| v . vvide (v-compressed) mode | | Device Name | | CXA2100AQ | | | | | | | | | | | | | | | | | | | | | | | | | | MB88141 | | | | | | | | | | | | | |
|-------------------------------|----------|-------------|---------------|-----------|------------|-------------|-------------|---------|------------|---------------------------|---------|------------------|------------------|-----------|-----------|---------|-----------------|------------------|------------------------------------|-------------------|-------------------|--------------------------------------|------------------------------------|---------|---------|------------------------|--------------------------|----------------------|---|----------|-------------|------------|------------------|----------------------|------------------|----------|----------|--------------|-------------|-----------------|-------------------------|-----------------|---|
| | | | ECO OFF V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7E | |
| וסו (א | | /lode | ECO ON V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7E | |
| ^ · > | | ECO Mode | ECO OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 00 | |
| | | | ECO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 00 | |
| | | | DRC 100 | 1F | 1F | 20 | 07 | 33 | 37 | | 22 | 22 | 22 | 90 | 20 | 20 | 34 | 1F | | | | | | 2F | 22 | | 8 | 00 | | | | | | | | | | | | | | | |
| | | | NIWL | 1F | 1 | | | 33 | 37 | | | 22 | 22 | 90 | | | 34 | 1F | | | | | | 2F | 22 | | | | | | | | | | | | | | | | | | |
| | | (| INDEX | 1F | 1F | | | 33 | 37 | | | 22 | 22 | 90 | | | 34 | 1 | | | | | | 2F | 22 | | | | | | | | | | | | | | | | | | |
| 400 | ı Data | 60Hz (NTSC) | V dId | 1F | 1F | 07 | 20 | 33 | 37 | | 22 | 22 | 22 | 90 | 20 | 20 | 34 | 1F | | | | | | 2C | 22 | | 03 | 00 | | | | | | | | | | | | | | | |
| Cto Charles | Standero | 109 | PIP | 1F | 1F | 07 | 20 | 33 | 37 | | 22 | 22 | 22 | 90 | 20 | 20 | 34 | 1F | | | | | | 2F | 22 | | 00 | 00 | | | | | | | | | | | | | | | 00 |
| | | | DRC 1250 V | 1F | 1F | 07 | 07 | 33 | 37 | | 22 | 22 | 22 | 90 | 20 | 20 | 34 | 1F | 00 | | | 10 | 8 | 2C | 22 | 10 | 83 | 00 | | | | | | | | | | | | | | | |
| | | | DRC 1250 | 1 | 1F | 20 | 20 | 33 | 37 | 20 | 22 | 22 | 22 | 90 | 20 | 20 | 34 | 1 | 00 | 00 | 00 | 10 | 00 | 2F | 22 | 00 | 00 | 00 | | | | | | | | | | | | | | | |
| | - | | DRC 100 | 1F | 23 | 20 | 20 | 33 | 37 | | 22 | 22 | 22 | 90 | 20 | 20 | 34 | 1 | | | | | | 2F | 1F | | 00 | 00 | | | | | | | | | | | | | | | |
| | | | NIWL | 1F | 1F | | | 33 | 37 | | | 22 | 22 | 90 | | | 34 | 1F | | | | | | 2F | 1F | | | | | | | | | | | | | | | | | | |
| | | 50Hz (PAL) | INDEX | 1 | 1F | | | 33 | 37 | | | 22 | 22 | 90 | | | 34 | 1F | | | | | | 2F | 11 | | | | | | | | | | | | | | | | | | |
| | | 501 | PIP | 1 | 23 | 07 | 07 | 33 | 37 | | 22 | 22 | 22 | 90 | 20 | 20 | 34 | 1F | | | | | | 2F | 1F | | 00 | 00 | | | | | | | | | | | | | | | |
| | | | DRC 1250 | 1 | 23 | 20 | 20 | 33 | 37 | 60 | 22 | 22 | 22 | 90 | 20 | 20 | 34 | 1F | 00 | 00 | 00 | 10 | 00 | 2F | 1F | 00 | 00 | 00 | | | | | | | | | | | | | | | |
| | | Data | | 00 ~ 3F | 00 ~ 3F | 00 ~ 0F | 00 ~ 0F | 00 ~ 3F | 00 ~ 3F | 00 ~ 0F | 00~3F |) ~ 3F | 00 ~ 3F | 00 ~ 0F | 00 ~ 0F | 00 ~ 0F | 00 ~ 3F | 00 ~ 3F | 00 ~ 03 | 00 ~ 0F | 00 ~ 0F | 00 ~ 03 | 00 ~ 03 | 00 ~ 3F | 00 ~ 3F | 00, 01 | 00 ~ 03 | 00 ~ 03 | 00, 01 | 00 ~ FF | 00 ~ 3F | 00 ~ 3F | 00 ~ 3F | 00 ~ 3F | 00, 01 | 00 ~ 3F | 00 ~ 3F | 00 ~ 3F | 00 ~ 3F | 00 ~ 3F | 00 ~ 3F | 00 ~ FF | 00, 01 |
| ŀ | | | ۷ | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 90 | 00 | 00 | 0 | 00 | | | 00 | 00 | 00 | 00 | 00 | 0 | 00 | 90 | 00 | 00 | 00 | 00 | | |
| | | Function | | V SIZE | V POSITION | V LINEARITY | SCORRECTION | H SIZE | H POSITION | H POSITION OFFSET FOR DVD | PIN AMP | UPPER CORNER PIN | LOWER CORNER PIN | TRAPEZIUM | AFC ANGLE | AFC BOW | LEFT H BLANKING | RIGHT H BLANKING | MIDDLE PIN DISTORTION COMPENSATION | UPPER V LINEARITY | LOWER V LINEARITY | HORIZONTAL HIGH VOLTAGE COMPENSATION | VERTICAL HIGH VOLTAGE COMPENSATION | VASPECT | VSCROLL | UNDER-SCAN MODE ON/OFF | V BLANKING WIDTH CONTROL | AKB REFERENCE TIMING | COPY THE GEO DATA TO ALL 50/60Hz NVM AREA | H CENTER | H LINEARITY | MIDDLE PIN | LOWER CORNER PIN | HORIZONTAL TRAPEZIUM | DF ON/OFF SWITCH | DF PHASE | QP PHASE | QP AMPLITUDE | QP DC LEVEL | QP V MODULATION | QP AMPLITUDE MODULATION | ABL D/A CONTROL | COPY THE DAC DATA TO ALL 50/60Hz NVM AREA |
| \mid | _ | | Name | VSZ V | VPS V | _ | | HSZ H | | | | | LPN LC | TRZ TF | AGL AF | BOW AF | LBL LE | | MPN M | UVL UI | LVL LC | HCP H | VCP | VAS V | VSC V | | VBW V | | CPY C | | | | CCP LC | HTR H | | DPH DI | арн а | | apc a | QDV Q | | | CPY |
| | Item | | No. N | 00 | 10 | | | 1 70 | | | _ | 1 80 | | 0A | | 0C E | Q0 | | 10 N | 10 | | | 13 | | 15 | 16 | | 18 | | 00 | | | 03 (| | | 90 | | | | 0 A 0 | | | |
| | | Category | | GEO | | | | | | | | | | | | | | | | | | | | | | | | | | DAC | | | | | | | | | | | | | |

| 7 | | Item | en ske na e | Data | Standerd Data | omold coince |
|----------|-------|------|-----------------------------|---------|---------------|--------------|
| Category | No. | Name | | Range | Common | Device |
| WHB | 00 | CBO | DC OFFSET CANCELLER FOR CB1 | 00 ~ 0F | 0A | CXA2100AQ |
| | 10 | CRO | DC OFFSET CANCELLER FOR CR1 | 00 ~ 0F | 0A | |
| | 02 | SBR | SUB BRIGHTNESS CONTROL | 00 ~ 3F | 25 | |
| | 03 | RDR | R DRIVE | 00 ~ 3F | 29 | |
| | 04 | GDR | G DRIVE | 00 ~ 3F | 29 | |
| | 90 | BDR | B DRIVE | 00 ~ 3F | 29 | |
| | 90 | RCT | R CUTOFF | 00 ~ 3F | 29 | |
| | 20 | CCT | G CUTOFF | 00 ~ 3F | 1A | |
| | 80 | BCT | B CUTOFF | 00 ~ 3F | 29 | |
| | 60 | SBO | SUB BRIGHTNESS OFFSET | 00 ~ 3F | 1F | |
| | 0A | RDO | R DRIVE OFFSET | 00 ~ 3F | 1F | |
| | 0B | OGS | G DRIVE OFFSET | 00 ~ 3F | 1F | |
| | 90 | OOB | B DRIVE OFFSET | 00 ~ 3F | 1F | |
| | QO | RCO | R CUTOFF OFFSET | 00 ~ 3F | 1F | |
| | OE OE | 009 | G CUTOFF OFFSET | 00 ~ 3F | 1F | |
| | 0F | BCO | B CUTOFF OFFSET | 00 ~ 3F | 1F | |

V : WIDE (V-Compressed) mode

| | : | Device Name | CXA2100AQ | | | | | | | | | | | | | | | | | | | | | CXA2100AQ | | | | | | | | | | | | |
|---------------|--------------|-----------------|-----------------|--------------------|---------------|-------------|-------------------|----------|----------------------|-------------------------------------|----------------------------|------------------|-------------------------|-----------------------------|------------------|-----------------------------------|--------------|---------------------------------------|------------|------------------|--|-------------------------------|-------------------|--|----------------------|----------------------|---------------------------------|-----------------------------|--------------------------------|-----------------------|---------------------|--------------------|----------------------|------------------------------|---------|-----------------------------------|
| | | ECO OFF V | | | | | | | | | | | | | | 00 | | | | | | | 07 | | | | | | | | | | | | | |
| | Mode | ON ON O | | | | | | | | | | | | | | 02 | | | | | | | 20 | | | | | | | | | | | | | |
| | ECO Mode | ECO OFF | | | | | | | | | | | | | | 00 | | | | | | | 07 | | | | | | | | | | | | | |
| | | 080 | | | | | | | | | | | | | | 02 | | | | | | | 20 | | | | | | | | | | | | | |
| | | Personal | | | | | | 03 | 10 | 00 | | 03 | 00 | 10 | 00 | | | | | | | | | | | | | | | | | | | | 02 | 10 |
| | ode | e | 10 | 18 | # | 1F | 10 | 02 | 00 | 00 | | 03 | 00 | 00 | 00 | | | | | | | | | | | | | | | | | | | | 00 | 00 |
| | Picture Mode | Standard | 2C | 1F | 1F | 1F | 1F | 03 | 01 | 00 | | 03 | 00 | 01 | 00 | | | | | | | | | | | | | | | | | | | | 02 | 01 |
| | | Sta | - | | | | | | | _ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standerd Data | | ex Dynamic | 35 | 21 | 27 | 11 | 22 | 03 | ω | 8 | | 03 | 10 | 02 | 10 | | | | | | | | | | | | | | | | | | | | 05 | 10 |
| Stand | _ | in Index | | | | | | | | | | | | | | | | | | | | . 07 | | | | | | | | | | | | | | |
| | | Twin | | | | | | | | | | | | | | | | | | | | 07 | | | | | | | | | | | | | | |
| | TSC) | o DVD | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | 10 | 03 | | |
| | 60Hz (NTSC) | | | | | | | | | | 00 | | | | | | 00 | | 60 | 0F | | | | | | | | | | | | | | 03 | | |
| | _ | 2 | | | | | | | | | | | | | | | 00 | | 60 | 00 | | | | | | | | | | | | | | 03 | | |
| | (TAC | o DVD | | | | | | | | | | | | | | | | | | 0F | | | | | | | | | | | | | 10 | 03 | | |
| | 50Hz (PAL) | | | | | | | | | | 02 | | | | | | 07 | | 80 | 0F | | | | | | | | | | | | | 10 | 03 | | |
| | _ | ^L | | | | | | | | | | | | | | | 07 | | 80 | NF. | | | | | | | | | | | | | 01 | 00 | | |
| | | Common | | | | | | | | | | | | | | | | 10 | | | 01 | | | 01 | | 00 | | | 00 | | 07 | 90 | | | | |
| | Data | Range | 3F ~ 00 | 00 ~ 3F | 00 ~ 3F | 00 ~ 3F | 00 ~ 3F | 00 ~ 03 | 00, 01 | 00, 01 | 00 ~ 03 | 00 ~ 03 | 00 ~ 03 | 00 ~ 03 | 00 ~ 03 | 00 ~ 03 | 00 ~ 0F | 20 ~ 00 | 00 ~ 0F | 00 ~ 1F | 20 ~ 00 | 20 ~ 00 | 00 ~ 0F | 00, 01 | 20 ~ 00 | 00 ~ 03 | 00, 01 | 00 ~ 03 | 00 ~ 03 | 00 ~ 0F | 00 ~ 0F | 00 ~ 0F | 00, 01 | 00 ~ 03 | 00 ~ 03 | 00 ~ 03 |
| | ; | Function | PICTURE CONTROL | BRIGHTNESS CONTROL | COLOR CONTROL | HUE CONTROL | SHARPNESS CONTROL | VM LEVEL | DYNAMIC COLOR ON/OFF | COLOR TEMPERATURE FOR DYNAMIC COLOR | COLOR MATRIX SPECIFICATION | GAMMA CORRECTION | DC TRANSMISSION CONTROL | AUTO PEDESTAL LEVEL CONTROL | ABL MODE CONTROL | ABL CURRENT DETECTION Vth CONTROL | COLOR OFFSET | COLOR STEP WIDTH TO THE CHANGE OF S/N | HUE OFFSET | SHARPNESS OFFSET | SHARPNESS STEP WIDTH TO THE CHANGE OF S/N | PICTURE OFFSET FOR TWIN/INDEX | BRIGHTNESS OFFSET | RGB AND AKB REFERENCE PULSE OUTPUT ON/OFF | RGB OUTPUT SELECTION | AGING MODE SELECTION | Y/C DELAY LINE PASS MODE SWITCH | RGB BOTTOM LIMITTER CONTROL | RGB AMPLITUDE LIMITTER CONTROL | DC LEVEL FOR PEAK ABL | SUB PICTURE CONTROL | RGB LEVEL FOR RGB2 | SHARPNESS CIRCUIT F0 | PRE/OVER-SHOOT RATIO CONTROL | | CHROMINANCE TRANSIENT IMPROVEMENT |
| | tem | . Name | PIC | BRT | COL | HUE | SHP | VML | DYC | CTM | CAX | GMA | DCT | DPL | ABM | ABT | CLO | CLW | HNO | SHO | SHW | PIO | BRO | PON | RGB | AGG | DPS | BBT | LML | PAB | sco | LV2 | SF0 | PRO | ILTI | CTI |
| | | Category No. | SAJ 00 | 10 | 02 | 03 | 04 | 02 | 90 | 07 | 08 | 60 | 9A | 0B | 90 | 00 | 90 | 10F | 10 | 11 | 12 | 13 | 14 | JGL 00 | 10 | 02 | 03 | 04 | 02 | 90 | 07 | 08 | 60 | 0A | 0B | 0C |

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

| | | _ | | | | | | |) | טומו שפוע בשומ | | | | | | |
|----------|----------|----|--|---------|--------|---------|---------|---------|--------|----------------|----------------|---------------|--------|---------------|----------------|-------------|
| Category | Item | | Function | Data | | _ | | | | ΤV | , | Video | 0 | DVD | 0 | Device Name |
| | No. Name | ne | | Kange | Common | 2D Comb | 3D Comb | S-Input | others | 50Hz (PAL) | 60Hz (NTSC) | 50Hz (PAL) | (NTSC) | 50Hz (PAL) | 60Hz (NTSC) | |
| Ō | TNT 00 | | TINT ADJUSTMENT FOR NTSC | 4E ~ 00 | | | | | | 24 | | 1F | | | | CXA2123Q |
| 0 | | | PAL/NTSC GATE WIDTH | 00, 01 | 01 | | | | | | | | | | | |
| 0 | 02 PNI | | PAL/NTSC SENSITIVITY SW | 00, 01 | 00 | | | | | | | | | | | |
| Ö | O3 SCL | | SUB COLOR CONTROL | 00 ~ 0F | | | | | | 20 | 20 | 20 | 20 | | | |
| Ó | | | SUB CONTRAST CONTROL | 00 ~ 0F | | | | | | 80 | 20 | 80 | 20 | | | |
| 0 | 05 SF0 | | SHARPNESS CENTER FREQUENCY CHANGING | 00 ~ 03 | 02 | | | | | | | | | | | |
| 0 | 06 SEQ | | SHARPNESS EQUALIZER CHARACTERISTIC | 00 ~ 03 | 03 | | | | | | | | | | | |
| 07 | N SHG | | SHARPNESS GAIN CONTROL | 00 ~ 0F | | | | | | 90 | 90 | 90 | 90 | 90 | 90 | |
| Ó | 08 YOL | | Y-OUTPUT LEVEL CONTROL | 00 ~ 3F | 1 | | | | | | | | | | | |
| Ó | O9 BSP | | BLACK STRETCH START POINT CHANGING | 00 ~ 03 | 00 | | | | | | | | | | | |
| Ô | OA COL | | CB/CR OUTPUT LEVEL CONTROL | 00 ~ 3F | 14 | | | | | | | | | | | |
| 10 | 0B DCR | | DC RESTORATION RATIO ADJUSTMENT | 00 ~ 03 | 00 | | | | | | | | | | | |
| ŏ | OC BF0 | | BPF/TQF F0 ADJUSTMENT | 00 ~ 03 | 10 | | | | | | | | | | | |
| 00 | D BFQ | | BPF/TQF Q ADJUSTMENT | 00 ~ 03 | 02 | | | | | | | | | | | |
| 10 | 0E FSW | | BPF/TQF SWITCH | 00, 01 | 10 | | | | | | | | | | | |
| 0 | OF SDT | | SECAM DOUBLE TRAP SWITCH | 00, 01 | 10 | | | | | | | | | | | |
| 1 | 10 LPF | | Y/CB/CR LPF SWITCH | 00, 01 | 01 | | | | | | | | | | | |
| 1 | 11 YDL | | Y-DL TIME ADJUSTMENT | 00 ~ 0F | | 90 | 05 | 05 | 03 | | | | | | | |
| 1 | 12 CMT | | CB/CR OUTPUT MUTE SWITCH | 00, 01 | 00 | | | | | | | | | | | |
| - | 13 BO1 | | CB OFFSET ADJUSTMENT (MAIN ROUTE) | 00 ~ 0F | 20 | | | | | | | | | | | |
| 1 | 14 RO1 | | CR OFFSET ADJUSTMENT | 00 ~ 0F | 20 | | | | | | | | | | | |
| 1 | 15 CDF | | V COUNT DOWN FREQUENCY SWITCH | 00 ~ 00 | 00 | | | | | | | | | | | |
| 1 | 16 CDM | | V COUNT DOWN JUDGE SWITCH | 00 ~ 03 | 00 | | | | | | | | | | | |
| 1 | 17 AFC | | AFC SENSITIVITY SWITCH | 00 ~ 03 | | | | | | | | 00 | | 00 | | |
| - | 18 MVM | | MACROVISION MASK + AFC MASK | 00, 01 | 00 | | | | | | | | | | | |
| 1 | 19 SRY | | SECAM R-Y BLACK ADJUSTMENT | 00 ~ 0F | 20 | | | | | | | | | | | |
| 1, | 1A SBY | | SECAM B-Y BLACK ADJUSTMENT | 00 ~ 0F | 10 | | | | | | | | | | | |
| 11 | 1B BEL | | SECAM BELL/HPF SWITCHING | 00 ~ 03 | 02 | | | | | | | | | | | |
| 1 | 1C BLF | | BELL F0 ADJUSTMENT | 00, 01 | 00 | | | | | | | | | | | |
| 11 | 1D SVI | | SECAM V-ID SWITCH | 00, 01 | 00 | | | | | | | | | | | |
| 7 | 1E SGP | | SECAM GATE POSITION ADJUSTMENT | 00 ~ 03 | 00 | | | | | | | | | | | |
| 1. | 1F SID | | SECAM SENSITIVITY SWITCH | 00, 01 | 10 | | | | | | | | | | | |
| 2 | 20 SIH | | SECAM INHIBITION SWITCH | 00, 01 | 00 | | | | | | | | | | | |
| 2 | 21 STP | | Y BLACK LEVEL SETUP FOR PAL PLUS | 00, 01 | 00 | | | | | | | | | | | |
| 2 | 22 HVC | | H-VCO TEMPERATURE CHARACTER CANCELLING | 00 ~ 03 | 02 | | | | | | | | | | | |
| 2 | 23 3NR | | 3D NR OPERATION ON/OFF | 00, 01 | 10 | | | | | | | | | | | |
| 2 | 24 BW6 | | 3D NR FOR 60Hz NON-BURST SIGNAL ON/OFF | 00, 01 | 10 | | | | | | | | | | | |
| 2 | | | SHARPNESS GAIN STEP FOR NOISE REDUCTION | 00 ~ 03 | 00 | | | | | | | | | | | |
| 2 | ODW 96 | | COLOR OF THE LEVEL STEEP FOR NOISE BEDIEVE | | 00 | | | | | | | | | | | |

| | | | | | | | |) | Stalldeld Data | | | | | |
|---------|-------|-------------------------------------|---------|--------|---------|-------|----------|-----|----------------|----------------|---------------|----------------|-----|-------------|
| | | Finnction | Data | | | | Col Mode | | _ | | Video | 0 | | Device Name |
| ₩. | Name | | Kange | Common | S-Input | SECAM | NTSC | PAL | 50Hz (PAL) | 60Hz (NTSC) | 50Hz (PAL) | 60Hz (NTSC) | DVD | |
| - | TNT | TINT ADJUSTMENT FOR NTSC | 00 ~ 3F | | | | | | 2 | 21 | 20 | | | CXA2123Q |
| _ | PNG | PAL/NTSC GATE WIDTH | 00, 01 | 10 | | | | | | | | | | |
| _ | PNI | PAL/NTSC SENSITIVITY SW | 00, 01 | 00 | | | | | | | | | | |
| Ö | SCL | SUB COLOR CONTROL | 00 ~ 0F | | | | | | 90 | 90 | 20 | 07 | | |
| Ö | SCT | SUB CONTRAST CONTROL | 00 ~ 0F | | | | | | 80 | 20 | 80 | 20 | | |
| 4 | SF0 | SHARPNESS CENTER FREQUENCY CHANGING | 00 ~ 03 | 02 | | | | | | | | | | |
| ш | SEQ | SHARPNESS EQUALIZER CHARACTERISTIC | 00 ~ 03 | 03 | | | | | | | | | | |
| I | SHG | SHARPNESS GAIN CONTROL | 00 ~ 0F | 20 | | | | | | | | | | |
| 9 | YOL | Y-OUTPUT LEVEL CONTROL | 00 ~ 3F | 1F | | | | | | | | | | |
| (J) | BSP | BLACK STRETCH START POINT CHANGING | 00 ~ 03 | 00 | | | | | | | | | | |
| Ÿ | COL | CB/CR OUTPUT LEVEL CONTROL | 00 ~ 3F | 14 | | | | | | | | | | |
| O | DCR | DC RESTORATION RATIO ADJUSTMENT | 00 ~ 03 | 00 | | | | | | | | | | |
| ᄔ | BF0 | BPF/TQF F0 ADJUSTMENT | 00 ~ 03 | 10 | | | | | | | | | | |
| ш | BFQ | BPF/TQF Q ADJUSTMENT | 00 ~ 03 | 70 | | | | | | | | | | |
| S | FSW | BPF/TQF SWITCH | 00, 01 | 10 | | | | | | | | | | |
| | SDT | SECAM DOUBLE TRAP SWITCH | 00, 01 | 10 | | | | | | | | | | |
| Δ, | LPF | Y/CB/CR LPF SWITCH | 00, 01 | 10 | | | | | | | | | | |
| | YDL | Y-DL TIME ADJUSTMENT | 00 ~ 0F | | 90 | 03 | 02 | 03 | | | | | | |
| 0 | NCM 1 | 1-H ADDITION SWITCH | 00, 01 | 10 | | | | | | | | | | |
| | CMT | CB/CR OUTPUT MUTE SWITCH | 00, 01 | 00 | | | | | | | | | | |
| 9 | BO1 (| CB OFFSET ADJUSTMENT (MAIN ROUTE) | 00 ~ 0F | 20 | | | | | | | | | | |
| _ | RO1 | CR OFFSET ADJUSTMENT | 00 ~ 0F | 20 | | | | | | | | | | |
| | CDF | V COUNT DOWN FREQUENCY SWITCH | 20 ~ 00 | 00 | | | | | | | | | | |
| | | V COUNT DOWN JUDGE SWITCH | 00 ~ 03 | 00 | | | | | | | 00 | | 00 | |
| ш. | | AFC SENSITIVITY SWITCH | 00 ~ 03 | | | | | | | | | | | |
| | MVM | MACROVISION MASK + AFC MASK | 00, 01 | 00 | | | | | | | | | | |
| - | SRY | SECAM R-Y BLACK ADJUSTMENT | 00 ~ 0F | 20 | | | | | | | | | | |
| | SBY | SECAM B-Y BLACK ADJUSTMENT | 00 ~ 0F | 10 | | | | | | | | | | |
| - | BEL | SECAM BELL/HPF SWITCHING | 00 ~ 03 | 70 | | | | | | | | | | |
| | BLF | BELL F0 ADJUSTMENT | 00, 01 | 00 | | | | | | | | | | |
| | SVI | SECAM V-ID SWITCH | 00, 01 | 00 | | | | | | | | | | |
| | SGP | SECAM GATE POSITION ADJUSTMENT | 00 ~ 03 | 00 | | | | | | | | | | |
| 10 | SID | SECAM SENSITIVITY SWITCH | 00, 01 | 01 | | | | | | | | | | |
| <u></u> | SIH | SECAM INHIBITION SWITCH | 00, 01 | 00 | | | | | | | | | | |
| 77 | | Y BLACK LEVEL SETUP FOR PAL PLUS | 00, 01 | 00 | | | | | | | | | | |
| | JAH | | | | | | | | | | | | | |

| | Device Name | TDA7315 | | |
|---------------|--|----------------|--------------------|---------------------|
| | Soft | 20 | 20 | |
| | Drama | 0A | 60 | |
| | Dynamic | 0B | 0A | |
| a | Sur OFF | | | |
| Standerd Data | Sur SIM | | | |
| S | Sur TRS | | | |
| | Common Sur VDD Sur VDP Sur TRS Sur SIM Sur OFF Dynamic Drama | | | |
| | Sur VDD | | | |
| | Common | | | 10 |
| ctc. | Range | 00 ~ 0F | 00 ~ 0F | 00, 01 |
| | Function | 00 BAS CONTROL | TRE TREBLE CONTROL | LDN LOUDNESS ON/OFF |
| tem | Name | BAS | TRE | |
| | No. | 00 | 10 | 02 |

Sur: Surround mode VDD: Virtual Dolby Digital VDP: Virtual Dolby Prologic TRS: Tru Surround SIM: Simulated

Category

ЧΡ

| ,40000 | | Item | o sistema e | Data | Standerd Data | Omely coived |
|----------|-------|------|----------------------------------|---------|---------------|---------------|
| Category | No. | Name | בחוכוסו | Range | Common | Device ivalle |
| MSP | 00 | WST | W/G STEREO THRESHOLD | 00 ~ FF | 15 | MSP3415D |
| | 10 | WBT | W/G BILINGUAL THRESHOLD | 00 ~ FF | EA | |
| | 02 | MLL | W/G MONAURAL THRESHOLD | 00 ~ FF | 90 | |
| | 03 | WAC | W/G AGREEMENT COUNT | 00 ~ 0F | 10 | |
| | 04 | MDL | W/G SEARCH DELAY | 00 ~ FF | 30 | |
| | 90 | NDL | NICAM SEARCH DELAY | 00 ~ FF | 20 | |
| | 90 | SDL | STEREO STATUS READ DELAY | 00 ~ FF | 10 | |
| | 20 | AGC | AGC SWITCH AUTO/CONSTANT | 00, 01 | 10 | |
| | 80 | REL | AGC GAIN AT CONSTANT MODE | 00 ~ 3F | 28 | |
| | 60 | CRM | CARRIER MUTING ON/OFF | 00, 01 | 00 | |
| | OA | ACO | AUDIO CLOCK OUT ON/OFF | 00, 01 | 10 | |
| | OB | FP | FM PRESCALE FOR NON-M SYSTEM | 00 ~ 7F | 1B | |
| | 00 | FPM | FM PRESCALE FOR M SYSTEM | 00 ~ 7F | 32 | |
| | Q0 | FH | FM PRESCALE FOR HDEV | 00 ~ 7F | 2D | |
| | OE OE | FHM | FM PRESCALE FOR HDEV AND M | 00 ~ 7F | 92 | |
| | 0F | WGP | W/G PRESCALE | 00 ~ 7F | 2A | |
| | 10 | NIP | NICAM PRESCALE | 00 ~ 7F | Ф | |
| | 11 | ERR | AUTO FM SWITCH THRESHOLD | 00 ~ FF | 20 | |
| | 12 | NOF | LOUD SPEAKER GAIN 0700h to 07FFh | 00 ~ FF | О9 | |

Device Name TDA9178 Personal 9 8 6 15 8 4 5 8 5 5 8 32 4 5 8 8 8 8 8 00 5 8 6 Picture Mode Standard 15 6 8 0 00 8 5 32 8 8 6 8 12 00 4 6 8 * 5 8 90 81 32 Video 03 ≥ 03 Twin 8 4 8 Common 05 5 10 8 8 8 8 8 8 8 00 07 8 8 8 8 8 8 07 07 8 80 60 02 Ħ 8 00 ~ 3F 00 ~ 07 00 ~ 0F 00 ~ 3F 00 ~ 0F 00 ~ 0F 20 ~ 00 20 ~ 00 20 ~ 00 00 ~ 3F 00 ~ 3F 20 ~ 00 00 ~ 3F $00 \sim 3F$ 00 ~ 3F 20 ~ 00 00 ~ 0F 00 ~ 0F 00,01 00, 01 00, 01 00, 01 00, 01 00,01 00, 01 00, 01 00, 01 00, 01 00, 01 00, 01 00, 01 00, 01 00, 01 00, 01 00,01 00, 01 Data Range 00,01 00, 01 THRESHOLD OF COLOR DEPENDENT SHARPNESS IHRESHOLD OF GREEN ENHANCEMENT SWITCH S/N MODE UNDER UNRELIABLE S/N CONDITION STEP WIDTH OF NON-LINEARITY AMPLIFIER CORING LEVEL OFFSET FOR VIDEO MODE FEATURE MODE MATCHING COUNTER STEP WIDTH OF PEAKING AMPLITUDE STEP WIDTH OF VARIABLE GAMMA HISTOGRAM SEGMENT SELECTION COLOR TRANSIENT IMPROVEMENT Function COLOR DEPENDENT SHARPNESS **3LUE STRETCH GAIN SELECTION 3LUE STRETCH SIZE SELECTION** BLACK OFFSET COMPENSATION SREEN ENHANCEMENT SWITCH S/N RATIO AVERAGE COUNTER **SREEN ENHANCEMENT WIDTH** STEP WIDTH OF CORING LEVEL CONTOUR FILTER SELECTION SKIN TONE ANGLE SELECTION SKIN TONE WIDTH SELECTION ETTERBOX WINDOW SWITCH SREEN ENHANCEMENT GAIN OVERRULE SMART PEAKING **3REEN ENHANCEMENT SIZE** SKIN TONE SIZE SELECTION /IDEO DEPENDENT CORING WHITE POINT STRETCH OFF ADAPTIVE BLACK STRETCH JON-LINEARITY AMPLIFIER STEEPNESS CORRECTION INE WIDTH CORRECTION DEMONSTRATION MODE **3LUE STRETCH SWITCH** PEAKING AMPLITUDE SKIN TONE SWITCH UMINANCE DELAY /ARIABLE GAMMA **SORING LEVEL** Name WLB WPO WGR CDS VGD NGW SPD CRW CRO LWD SNC VDC CFS CDP OSP DSK ASK WSK DGR DGT GGR SGR GBL BON BTD NLD NLW PKD PK₩ CRD LDH DEM SSK DBL CST SBL E Item 56 ġ 8 05 03 8 92 90 07 88 60 Α0 0B 9 00 핑 9F 10 7 12 13 4 15 16 17 18 19 1 4 1B 10 10 一 4 20 22 23 22 5 7

* Mark Data Value GE/HK/ME model: 01 AUS model: 00

5

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

| _ | - | | | | | | | | Stande | Standerd Data | | | | | |
|----------|----------|------|--|---------|---------|-----|-------------|-------|--------|---------------|-----|--------------|---------|--------|-------------|
| Category | <u> </u> | Item | Function | Data | | 2(| 50 Hz (PAL) | | | | 9 | 60 Hz (NTSC) | _ | | Device Name |
| • | No. | Name | | 98.5 | DRC1250 | PIP | NIWL | INDEX | DRC100 | DRC1250 | PIP | NIWL | INDEX | DRC100 | |
| MID | 00 | НЬН | HORIZONTAL ACTIVE DISPLAY AREA PHASE | 00 ~ FF | 3E | 3E | 7B | 78 | 3E | 49 | 49 | 6F | 9 29 | 49 | MB94918 |
| | 01 | VPH | VERTICAL ACTIVE DISPLAY AREA PHASE | 00 ~ 3F | 15 | 15 | 20 | 1A | 0C | 25 | 25 | 2E | 2D | 13 | |
| | 02 | HSZ | HORIZONTAL ACTIVE DISPLAY AREA SIZE | 00 ~ FF | 7F | 7F | 7F | 7F | 7F | 7F | 7F | 7F | 7F | 7F | |
| | 03 | NSZ | VERTICAL ACTIVE DISPLAY AREA SIZE | 00 ~ FF | 7F | 7F | 7F | 7F | 7F | 7F | 7F | 7F | 7F | 7F | |
| | 04 | MAH | DISPLAY H-SYNC PULSE WIDTH | 00 ~ 3F | 3F | 3F | 3F | 3F | 3F | 3F | 3F | 3F | 3F | 3F | |
| | 90 | VPW | DISPLAY V-SYNC PULSE WIDTH | 20~00 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | |
| | 90 | YDL | DISPLAY OUTPUT Y/C DELAY CORRECTION | 00 ~ 3F | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| | 20 | MHP | MAIN PICTURE HORIZONTAL POSITION (SINGLE & PIP) | 90 ~ FF | 7F | 7F | | | 7F | 7F | 7F | | | 7F | |
| | 80 | MVP | MAIN PICTURE VERTICAL POSITION (SINGLE & PIP) | 00 ~ FF | 7F | 7F | | | 7F | 7F | 7F | | | 7F | |
| | 60 | MHS | MAIN PICTURE HORIZONTAL SIZE (SINGLE & PIP) | 00 ~ FF | 7F | 7F | | | 7F | 7F | 7F | | | 7F | |
| | OA | MVS | MAIN PICTURE VERTICAL SIZE (SINGLE & PIP) | 00 ~ FF | 7F | 7F | | | 7F | 7F | 7F | | | 7F | |
| | 90 | PHP | PIP SUB PICTURE HORIZONTAL POSITION | 00 ~ FF | | 99 | | | | | 53 | | | | |
| | 00 | PVP | PIP SUB PICTURE VERTICAL POSITION | 00 ~ FF | | 2E | | | | | 22 | | | | |
| | QO | PHS | PIP SUB PICTURE HORIZONTAL SIZE | 00 ~ FF | | 7F | | | | | 7F | | | | |
| | OE OE | PVS | PIP SUB PICTURE VERTICAL SIZE | 00 ~ FF | | 7F | | | | | 7F | | | | |
| | OF. | PHO | PIP SUB PICTURE HORIZONTAL POSITION OFFSET | 90 ~ FF | | 92 | | | | | 89 | | | | |
| | 10 | PVO | PIP SUB PICTURE VERTICAL POSITION OFFSET | 00 ~ FF | | 39 | | | | | 6B | | | | |
| | 11 | TMP | TWIN MAIN PICTURE HORIZONTAL POSITION | 00 ~ 03 | | | 10 | | | | | | | | |
| | 12 | TSP | TWIN SUB PICTURE HORIZONTAL POSITION | 00 ~ FF | | | 00 | | | | | | | | |
| | 13 | TVP | TWIN MAIN & SUB PICTURE VERTICAL POSITION | 00 ~ FF | | | | | | | | | | | |
| | 14 | THS | TWIN MAIN & SUB PICTURE HORIZONTAL SIZE | 00 ~ FF | | | | | | | | | | | |
| | 15 | TVS | TWIN MAIN & SUB PICTURE VERTICAL SIZE | 00 ~ FF | | | | | | | | | | | |
| | 16 | ТНО | TWIN MAIN & SUB PICTURE HORIZONTAL POSITION OFFSET | 00 ~ FF | | | | | | | | | | | |
| | 17 | TVO | TWIN MAIN & SUB PICTURE VERTICAL POSITION OFFSET | 00 ~ FF | | | | | | | | | | | |
| | 18 | XHS | INDEX SUB PICTURE HORIZONTAL SIZE | 00 ~ FF | | | | | | | | | | | |
| | 19 | XVS | INDEX SUB PICTURE VERTICAL SIZE | 00 ~ FF | | | | | | | | | | | |
| | 1A | XHG | INDEX HORIZONTAL GAP WIDTH BETWEEN PICTURES | 00 ~ FF | | | | | | | | | | | |
| | 1B | XVG | INDEX VERTICAL GAP WIDTH BETWEEN PICTURES | 00 ~ FF | | | | | | | | | | | |
| | 1C | XHP | INDEX 1st SUB PICTURE HORIZONTAL POSITION | 00 ~ FF | | | | | | | | | | | |
| | 1D | XVP | INDEX 1st SUB PICTURE VERTICAL POSITION | 00 ~ FF | | | | | | | | | | | |
| | 1E | DHP | DRC HORIZONTAL ACTIVE AREA POSITION | 00 ~ FF | 7F | | 7F | | 7F | 7F | 1 | 7F | | 7F | |
| | 1F | DHS | DRC HORIZONTAL ACTIVE AREA PIXEL SIZE | 00 ~ FF | 7F | - | 7F | | 7F | 7F | = | 7F | | 7F | |
| | 20 | DVP | DRC VERTICAL ACTIVE ARE LINE POSITION | 00 ~ 3F | 1A | - | 3F | | 1A | 1A | ٩ | 39 | • | 1A | |
| | 21 | DVS | DRC VERTICAL ACTIVE AREA LINE SIZE | 00 ~ FF | 7F | - | 7F | | 7F | 7 | = | 7. | - | 7F | |
| | 22 | VHP | VDO HORIZONTAL ACTIVE AREA POSITION | 00 ~ FF | | | 7F | | | | | 7F | | | |
| | 23 | VHS | VDO HORIZONTAL ACTIVE AREA PIXEL SIZE | 00 ~ FF | | | 7F | | | | | 7F | | | |
| | 24 | VEP | VDO VERTICAL ACTIVE AREA EVEN POSITION | 00 ~ 3F | | | 1E | | | | | 1B | | | |
| | 25 | VVS | VDO VERTICAL ACTIVE AREA LINE SIZE | 00 ~ FF | | | 7F | | | | | 7F | | | |
| | 56 | VOP | VDO VERTICAL ACTIVE AREA ODD POSITION | 00 ~ 03 | | | 00 | | | | | 00 | | | |
| | 27 | CLT | VDO CLAMP PULSE OUTPUT TIMING | 00 ~ FF | | | 7F | | | | | 7F | | | |
| | 28 | CLW | VDO CLAMP PULSE WIDTH | 20~00 | | | 04 | | | | | 04 | | | |
| | 29 | VYD | VDO ANALOG INPUT Y/C DELAY CORRECTION | 00 ~ 3F | | | 00 | | | | | 00 | | | |
| | 2A | VCR | VDO CHROMA SIGNAL ORDER | 00, 01 | | | 01 | | | | | 10 | | | |
| | 2B | IdV | INDITION I BINDI I SEI ECTION | 200 | | | 10 | | | | | 10 | | | |

| | | | | | | | Stan | Standerd Data | | | | | |
|-----------------------------|--|---------|--------|----|-------|--------------|--------------|---------------|-----------------|------------------|--------------|----------|-------------|
| | Finction | Data | | | | | NR Mode | Je Je | | Pic | Picture Mode | | Device Name |
| | | | Common | 2 | Video | NR Mode 0 | NR Mode 1 | NR Mode 2 | NR Mode 3 Dy | Dynamic Standard | ard Hi-Fine | Parsonal | |
| EXTERNAL MEMORY TEST BIT | EST BIT | 00, 01 | 00 | | | | | | | | | | µPD64082 |
| REDUCTION OF | NOISE REDUCTION OPERATION MODE | 00 ~ 03 | 00 | | | | | | | | | | |
| Y/C SINGLE OUTPUT SELECTION | SELECTION | 00 ~ 0F | Q0 | | | | | | | | | | |
| SYSTEM CLOCK SELECTION | ECTION | 00 ~ 03 | 10 | | | | | | | | | | |
| ARD/NON-STA | STANDARD/NON-STANDARD OPERATION SELECTION | 00 ~ 03 | 00 | | | | | | | | | | |
| -FRAME/INTER | INTER-FRAME/INTER-LINE OPERATION SELECTION | 00 ~ 03 | 00 | | | | | | | | | | |
| NON-KILLER | KILLER/NON-KILLER OPERATION SELECTION | 00 ~ 03 | 03 | | | | | | | | | | |
| EXTERNAL Y-ADC SWITCH | ИТСН | 00, 01 | 00 | | | | | | | | | | |
| NAL C-SYNC I | EXTERNAL C-SYNC INPUT SELECTION | 00 ~ 03 | 10 | | | | | | | | | | |
| JPUT LEVEL & | ADC INPUT LEVEL & CLUMP PULSE WIDTH SELECTION | 00 ~ 03 | 02 | | | | | | | | | | |
| ADC INPUT WIDTH SWITCH | WITCH | 00, 01 | 00 | | | | | | | | | | |
| ONTAL PHAS | HORIZONTAL PHASE ADJUSTMENT | 20 ~ 00 | 90 | | | | | | | | | | |
| C-SIGNAL DELAY ADJUSTMENT | JUSTMENT | 20 ~ 00 | 04 | | | | | | | | | | |
| TECTION COF | DY DETECTION CORING LEVEL ADJUSTMENT | 00 ~ 0F | | | | 02 | 02 | 02 | 04 | | | | |
| TECTION GAI | DY DETECTION GAIN ADJUSTMENT | 00 ~ 0F | | | | 0A | 0A | 0A | 0A | | | | |
| TECTION CC | DC DETECTION CORING LEVEL ADJUSTMENT | 00 ~ 0F | | | | 90 | 03 | 03 | 90 | | | | |
| TECTION GA | DC DETECTION GAIN ADJUSTMENT | 00 ~ 0F | | | | 90 | 0A | 0A | 90 | | | | |
| ON-LINEAR F | YNR NON-LINEAR FILTER SETUP | 00 ~ 0F | 10 | | | | | | | | | | |
| ON-LINEAR I | CNR NON-LINEAR FILTER SETUP | 00 ~ 0F | 10 | | | | | | | | | | |
| DETECTION | NOISE DETECTION CORING ADJUSTMENT | 00 ~ 03 | 10 | | | | | | | | | | |
| RESIS SELE | HYSTERESIS SELECTION FOR H-SYNC NON-STANDARD | 00 ~ 03 | | 10 | 10 | | | | | | | | |
| TIVITY SELE | SENSITIVITY SELECTION FOR H-SYNC NON-STANDARD | 00 ~ 03 | | 10 | 10 | | | | | | | | |
| TIVITY SELE | SENSITIVITY SELECTION FOR FRAME-SYNC NON-STANDARD | 00 ~ 03 | | 02 | 10 | | | | | | | | |
| DJUSTMEN | GAIN ADJUSTMENT FOR VERTICAL SHAPE CORRECTION | 20 ~ 00 | | | | | | | | 03 02 | 00 | 02 | |
| HING ADJUS | VANISHING ADJUSTMENT FOR VERTICAL SHAPE CORRECTION | 00 ~ 1F | | | | | | | | OC 06 | 00 | 90 | |
| TEST BIT | | 00, 01 | 00 | | | | | | | | | | |
| R FREQUEN | CENTER FREQUENCY SELECTION FOR Y-PEAKING BPF | 00 ~ 03 | | | | | | | | 03 03 | 03 | 03 | |
| DJUSTMEN' | GAIN ADJUSTMENT FOR Y-PEAKING BPF | 00 ~ 0F | | | | | | | | 80 80 | 80 | 80 | |
| LINE COMB FILTER SETUP | SETUP | 00 ~ 0F | 0A | | | | | | | | | | |
| VAL SPLIT FI | C-SIGNAL SPLIT FILTER SWITCH | 00, 01 | 00 | | | | | | | | | | |
| NAL DELAY 8 | C-SIGNAL DELAY SWITCH AT NOISE REDUCTION | 00, 01 | 00 | | | | | | | | | | |
| TECTION SE | DC DETECTION SENSITIVITY SWITCH | 00, 01 | 00 | | | | | | | | | | |

| | Device Name | | μPD64082 | | | | | | | | | | | | | | | | | CXA2069Q |
|---------------|--------------|------------------|---|-------------------|--|-----------------------------------|--|-----------------|------------------|---------------------------------------|-------------------------------|-------------------------------|---|--------------------------------------|---------------------------|-----------------------|---------------------------------|--------------------------|--------------|-----------------------|
| | | Parsonal | | | 00 | 00 | | | | | | | | | | | | | | |
| | Mode | Hi-Fine | | | 00 | 00 | | | | | | | | | | | | | | |
| | Picture Mode | Standard | | | 00 | 00 | | | | | | | | | | | | | | |
| | | Dynamic Standard | | | 8 | 00 | | | | | | | | | | | | | | |
| , m | | NR Mode 3 | | | | | | | | | | | | | | | | | | |
| Standerd Data | apc | NR Mode 2 | | | | | | | | | | | | | | | | | | |
| Sta | NR Mode | NR Mode 1 | | | | | | | | | | | | | | | | | | |
| | | NR Mode 0 | | | | | | | | | | | | | | | | | | |
| | | Video | | | | | | | | | | | | | | | | | | |
| | | 2 | | | | | | | | | | | | | | | | | | |
| | | Common | 10 | 04 | | | 00 | 80 | Q0 | 03 | 00 | 80 | 04 | 0A | 03 | 10 | 10 | 05 | 00 | |
| | Data | | 00, 01 | 20 ~ 00 | 00 ~ 03 | 00, 01 | 00 ~ 0F | 00 ~ 0F | 00 ~ 0F | 00 ~ 0F | 00 ~ 0F | 00 ~ 0F | 00 ~ 0F | 00 ~ 0F | 00 ~ 03 | 00, 01 | 00, 01 | 00 ~ 03 | 00, 01 | 00, 01 |
| | nonction | | DY DETECTION LOWER-LEVEL SENSITIVITY SWITCH | D2 GAIN SELECTION | Y-SIGNAL HIGHER-LEVEL CORING SELECTION | Y-SIGNAL HIGHER-LEVEL GAIN SWITCH | NON-STANDARD DETECTION & H/V COUNTER TEST BITS | CLOCK TEST BITS | PLL FILTER SETUP | KILLER DETECTION REFERENCE ADJUSTMENT | H-SYNC SLICE LEVEL ADJUSTMENT | V-SYNC SLICE LEVEL ADJUSTMENT | INTERNAL BURST GATE START POSITION ADJUSTMENT | INTERNAL BURST GATE WIDTH ADJUSTMENT | ADC CLOCK DELAY SELECTION | ADC POWER-DOWN SWITCH | NON-STANDARD DETECTION TEST BIT | MEMORY POWER-DOWN SWITCH | CNR TEST BIT | 2D COMB APACON ON/OFF |
| 1 | Tiem Tiem | Name | SDY | DZG | YHC | YHG | SHT | CLK | PLL | KRF | HSL | NSF | BPS | BPW | ADC | APD | NSD | SPD | CNT | APA |
| _ | کِ | No. | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 2A | 2B | 2C | 2D | 2E | 2F | 30 | 00 |
| | Category | | 3CM | | | | | | | | | | | | | | | | | 2CM |

| | Item | ر | | 4 | | | S | Standerd Data | а | | | | |
|----------|------|------|--|---------------|----------------|---------|--------|---------------|-----------------|---------|-------|------|-------------|
| Category | No. | Name | Function | Data Range | Common Sur VDD | Sur VDP | SurTRS | Sur SIM | Sur OFF Dynamic | Dynamic | Drama | Soft | Device Name |
| DSP | 1 00 | DOL | DIR UNLOCK DETECTION MODE | £0 ~ 00 | | | | | | | | | |
| | 1 10 | DIM | DIGITAL INPUT MODE | £0 ~ 00 | | | | | | | | | |
| | D2 1 | TFM | TruSurround FRONT MINUS | 00 ~ 7F | | | | | | | | | |
| | . 60 | TFP | TruSurround FRONT PLUS | 00 ~ 7F | | | | | | | | | |
| | D4 | TCE | TruSurround CENTER | 00 ~ 7F | | | | | | | | | |
| | _ 50 | TS1 | TruSurround SURROUND #1 | 00 ~ FF | | | | | | | | | |
| | 90 | TS2 | TruSurround SURROUND #2 | 00 ~ 7F | | | | | | | | | |
| | L 20 | TSP | TruSurround SURROUND PLUS | 00 ~ 7F | | | | | | | | | |
| | L 80 | TSM | TruSurround SURROUND MINUS | 00 ~ 7F | | | | | | | | | |
| | 1 60 | LFE | LOW FREQUENCY EFFECT | 00 ~ 7F | | | | | | | | | |
| | 0A E | BHL | BBE EFFECT 1 FOR BBE HIGH | 00 ~ 7F | | | | | | | | | |
| | 90 E | ВНН | BBE EFFECT 2 FOR BBE HIGH | 00 ~ 7F | | | | | | | | | |
| | 0C | BLL | BBE EFFECT 1 FOR BBE LOW | 00 ~ 7F | | | | | | | | | |
| | G0 | ВГН | BBE EFFECT 2 FOR BBE LOW | 00 ~ 7F | | | | | | | | | |
| | 1 30 | DLR | DELAY SELECTION AT DSP RESET (100msec to 1500msec) | 20 ~ 00 | | | | | | | | | |
| | 0F E | BBE | BBE SELECTION | 00 ~ 03 | | | | | | | | | |

| | lame | 191 | |
|---------------|-----------------|-------------------------------------|-----------------------------------|
| | Device Name | SAA5261 | |
| ta | 60 Hz (NTSC) | | |
| Standard Data | 50 Hz (PAL) | | |
| S | Common | 19 | 3 0 |
| cteC | Range | 00 ~ FF | 00 ~ 3F |
| | Function | 00 TXH TELETEXT HORIZONTAL POSITION | 01 TXV TELETEXT VERTICAL POSITION |
| tem | No. Name | TXH | TXV |
| | No. | 00 | 10 |
| | Category | TXT | |

Sur: Surround mode VDD: Virtual Dolby Digital VDP: Virtual Dolby Prologic TRS: Tru Surround SIM: Simulated

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

Category : PJE : Fixed data

| Item | Adjustment | Data | | St | andard Da | nta | | |
|----------|--------------|--------------------------|------------------|-----------------|-------------------|-----|----------------------|---|
| Number | Item | Range | DRC1250 (PAL) | DRC100 (PAL) | DRC1250 (NTSC) | | DRC1250 VC (NTSC) | Name/Description |
| 00 | FDIS | 00,01 | | | 00 | • | • | SELECT REGI DATA DISPLAY OF FINE ADJ |
| 01 | OSDH | 01 ~ 255 | 32 | 32 | 32 | 32 | 32 | PJED SERVICE MENU H POSITION |
| 02 | OSDV | 01 ~ 255 | 75 | 55 | 75 | 55 | 65 | PJED SERVICE MENU V POSITION |
| 03 | FVST | 00 ~ 255 | 54 | 33 | 54 | 33 | 54 | LINE NUMBER OF FINE ADJUST START |
| 04 | V1ST | 00 ~ 255 | 00 | 00 | 00 | 00 | 00 | V1 START DATA |
| 05 | V1CU | 00 ~ 255 | 25 | 50 | 29 | 58 | 29 | V1 COUNT UP DATA |
| 06 | COHP | 00 ~ 255 | 00 | 00 | 00 | 00 | 00 | H-PHASE OF ROUGH ADJ |
| 07 | FIHP | 00 ~ 255 | 203 | 203 | 203 | 203 | 203 | H-PHASE OF FINE ADJ |
| 08 | TPHP | 00 ~ 255 | 51 | 51 | 51 | 51 | 51 | H-PHASE OF TEST PATTERN |
| 09 | DFHP | 00 ~ 255 | 00 | 00 | 00 | 00 | 00 | H-PHASE OF DYNAMIC FOCUS |
| 10 | DFHG | -128 ~ 127 | -80 | -80 | -80 | -80 | -80 | H-2 GAIN OF DYNAMIC FOCUS |
| 11 | DFVG | -128 ~ 127 | -30 | -30 | -30 | -30 | -30 | V-2 GAIN OF DYNAMIC FOCUS |
| 12 | PWM1 | 00 ~ 255 | | | 00 | | | PWM1 |
| 13 | PWM2 | 00 ~ 255 | | | 29 | | | H-PHASE OF AUTO REGITEST PATTERN |
| 14 | HBLD | 00 ~ 255 | | | 00 | | | H-PHASE OF RETURNED BLUE V LINE |
| 15 | HBLW | 00 ~ 63 | | | 00 | | | PULSE WIDTH OF RETURNED BLUE V LINE |
| 16 17 | BLKP COGV | 00 ~ 255 | | | 44 (*1) | | | START BLANK PULSE GREEN V CENT OFFSET DATA OF AUTO REGI |
| | | -128 ~ 127 | | | (*1) | | | |
| 18 19 | CORV COBV | -128 ~ 127 -128 ~ 127 | | | (*1) (*1) | | | RED V CENT OFFSET DATA OF AUTO REGI BLUE V CENT OFFSET DATA OF AUTO REGI |
| 20 | COGH | -128 ~ 127 -128 ~ 127 | | | (*1) | | | GREEN H CENT OFFSET DATA OF AUTO REGI |
| 20 | CORH | -128 ~ 127 -128 ~ 127 | | | (*1) | | | RED H CENT OFFSET DATA OF AUTO REGI |
| 22 | COBH | -128 ~ 127 -128 ~ 127 | | | (*1) | | | BULE H CENT OFFSET DATA OF AUTO REGI |
| 23 | SOGV | -128 ~ 127 -128 ~ 127 | | | (*1) | | | GREEN V SKEW OFFSET DATA OF AUTO REGI |
| 24 | SORV | -128 ~ 127 -128 ~ 127 | | | (*1) | | | RED V SKEW OFFSET DATA OF AUTO REGI |
| 25 | SOBV | -128 ~ 127 -128 ~ 127 | | | (*1) | | | BLUE V SKEW OFFSET DATA OF AUTO REGI |
| 26 | SOGH | -128 ~ 127 | | | (*1) | | | GREEN H SKEW OFFSET DATA OF AUTO REGI |
| 27 | SORH | -128 ~ 127 | | | (*1) | | | RED H SKEW OFFSET DATA OF AUTO REGI |
| 28 | SOBH | -128 ~ 127 | | | (*1) | | | BLUE H SKEW OFFSET DATA OF AUTO REGI |
| 29 | ERR | FIXED | | | 00 | | | AUTO REGI ERROR CODE |
| 30 | ADTM | 00 ~ 255 | | | 144 | | | TIMING TO GET A/D DATA OF AUTO REGI |
| 31 *2 | VUP | 01 ~ 255 | 03 | 03 | 01 | 01 | 01 | AUTO REGI PATTERN UPPER V POSITION |
| 32 *2 | VMID | 01 ~ 255 | 135 | 130 | 115 | 110 | 115 | AUTO REGI PATTERN MIDDLE V POSITION |
| 33 *2 | VLOW | 01 ~ 255 | 260 | 255 | 225 | 212 | 225 | AUTO REGI PATTERN LOWER V POSITION |
| 34 *2 | HPR | 01 ~ 510 | 03 | 03 | 01 | 01 | 03 | AUTO REGI PATTERN H POSITION |
| 35 | SFTF | 00,01 | | | 00 | | | SHIFT ENABLE 00 : DISABLE 01 : ENABLE |
| 36 | SFTE | 00,01 | | | 00 | | | SHIFT FAST 00: NORMAL 01: QUICK |
| 37 | ACTL | 00 ~ 255 | | | 00 | | | LOWER BYTE OF COUNTER VALUE |
| 38 | ACTH | 00 ~ 255 | | | 00 | | | HIGHER BYTE OF COUNTER VALUE |
| | CENT | -512 ~ 511 | | | 000/000 | | | GREEN H/V CENT (H CENT *3) |
| | SKEW | -512 ~ 511 | | | 000/000 | | | GREEN H/V SKEW (H SKEW *3) |
| GRN | SIZE | <i>−</i> 512 ~ 511 | | | 000/–200 | | | GREEN H/V SIZE (H/V SIZE *3) |
| 0.111 | LIN | -512 ~ 511 | | | xxxx/xxxx | | | GREEN H/V LIN |
| | KEY | -512 ~ 511 | | | XXXX/XXXX | | | GREEN H/V KEY |
| | PIN | <u>-512 ~ 511</u> | - | | xxxx/270 | | | GREEN H/V PIN |
| | CENT | -512 ~ 511 | | | 000/000 | | | BLUE H/V CENT |
| | SKEW | -512 ~ 511 | | | 000/000 | | | BLUE H/V SKEW |
| BLU | SIZE | -512 ~ 511 | | | 000/–200 | | | BLUE H/V SIZE |
| | LIN | -512 ~ 511 | | | -150/xxxx | | | BLUE H/V LIN |
| | KEY | -512 ~ 511 | | | xxxx/–70 | | | BLUE H/V KEY |
| | PIN | -512 ~ 511 | - | | xxxx/270 | | | BLUE H/V PIN |
| | CENT | -512 ~ 511 | | | 000/000 | | | RED H/V CENT |
| | SKEW | -512 ~ 511 | | | 000/000 | | | RED H/V SKEW |
| RED | SIZE | -512 ~ 511 | | | 000/–200 | | | RED H/V SIZE |
| | LIN | -512 ~ 511 | | | 150/xxxx | | | RED H/V LIN |
| | KEY | -512 ~ 511 | | | xxxx/–70 | | | RED H/V KEY |
| | PIN | <i>−</i> 512 ~ 511 | | | xxxx/270 | | | RED H/V PIN |

*3 : It can be adjust Green a little.

xxxx : Cannot change.

VC: WIDE (V-Compressed) MODE
*1: Set correctly by the automatic registration adjustment.

^{*2 :} It can be adjust if automatic registration adjustment doesn't work.

| D | R/I | _0 | 2 | 1 |
|---|-----|----|---|---|

| | ţ | tem | | í | เช | Standard Data | а | |
|----------|------------|------|---|---------------|------------|----------------|-----------------|-------------|
| Category | o O | Name | Function | Data Range | Common | 50 Hz (PAL) | 60 Hz (NTSC) | Device Name |
| OPM | 00 | OSH | OSD H POSITION | 00 ~ 3F | 90F | | | CXP750096 |
| | 10 | FW1 | OSD ODD/EVEN FIELD WINDOW SETUP #1 | 00 ~ 3F | 00 | | | OPTION-MISC |
| | 02 | FW2 | OSD ODD/EVEN FIELD WINDOW SETUP #2 | 00 ~ 3F | 03 | | | |
| | 03 | ОНО | OSD H POSITION OFFSET FOR INDEX | 00 ~ 0F | 20 | | | |
| | 04 | IL1 | INDEX SUB-SCREEN OSD 1st LINE VERTICAL POSITION | 00 ~ 3F | | 22 | 20 | |
| | 02 | IVO | INDEX SUB-SCREEN OSD VERTICAL OFFSET | 00 ~ 3F | | 2B | 20 | |
| | 90 | COM | COMB OPERATION SELECTION | 00 ~ 03 | 00 | | | |
| | 20 | APC | APC SWITCH | 00, 01 | 10 | | | |
| | 80 | TSY | TV SYSTEM SELECTION UNDER SEARCHING WITH AUTO TV SYSTEM | 00 ~ 03 | 00 | | | |
| | 60 | MUT | NO SIGNAL MUTE | 00, 01 | 00 | | | |
| | 0A | AFM | AUTO FM SWITCH | 00, 01 | 10 | | | |
| | 0B | TVO | V-ANGLE CORRECTION TO PICTURE ROTATION | 20 ~ 00 | 03 | | | |
| | 00 | DBL | DISABLE BLUEBACK FUNCTION | 00, 01 | 10 | | | |
| | OD | oss | SPEED CH SEARCH SELECTION | 00 ~ 03 | 10 | | | |
| | 9 0 | TRP | MPEG/JPEG NOISE REDUCTION FOR EACH INPUT | 00 ~ 3F | 00 | | | |
| | 0F | SCH | CH SELECTION FOR SHIPPING CONDITION | 00 ~ 7F | | | | |
| | 10 | SCA | CABLE/AIR SELECTION FOR SHIPPING CONDITION | 00, 01 | | | | |
| | 11 | DMG | DISABLE MENU-OPERATION GUIDE | 00, 01 | 00 | | | |
| | 12 | VSN | ENABLE NOISE REDUCTION IN VIDEO MODE | 00, 01 | 00 | | | |
| OPB | 00 | OP1 | OPTIONAL BITS 1 (SEE THE SPECIFIED SHEET) | 00 ~ FF | 2 3 | | | OPTION-BITS |
| | 10 | OP2 | OPTIONAL BITS 2 (SEE THE SPECIFIED SHEET) | 00 ~ FF | 13 | | | |

6-3. Picture Quality Adjustment 6-3-1. Preparation

- 1. Set in the service mode.
- 2. Set respective items as follows.

Adjustment Condition

DRC-MF : DRC1250
PICTURE MODE : HI-FINE
TWIN MODE : ON
ECO MODE : OFF
WIDE MODE : OFF

| Category | It | tem | Data |
|----------|----|-----|------|
| SAJ | 00 | PIC | 3F |
| | 06 | DYC | 00 |
| | 0E | CLO | 06 |
| | 10 | HUO | 07 |
| | 13 | PIO | 00 |
| JGL | 04 | BBT | 00 |
| | 05 | LML | 03 |

Connect the oscilloscope probe to the following point on the E board.

Measurement Point

E Board CN4500:

① pin R100 → VR

⑤ pin B100 → VB

Note: After the adjustment 6-3. Picture Quality Adjustment, these adjustment parameters must be recovered to the original condition.

Original Condition

DRC-MF : DRC1250
PICTURE MODE : HI-FINE
TWIN MODE : ON
ECO MODE : OFF
WIDE MODE : OFF

| C-4 | т. | | | Da | ıta | |
|----------|----|-----|-------|----------|-------|----------|
| Category | 11 | tem | 50 TV | 50 VIDEO | 60 TV | 60 VIDEO |
| SAJ | 00 | PIC | | 1 | F | |
| | 06 | DYC | | 0 | 0 | |
| | 0E | CLO | 0C | 0C | 0C | 0C |
| | 10 | HUO | 08 | 08 | 09 | 09 |
| | 13 | PIO | | 0 | 7 | |
| JGL | 04 | BBT | | 0 | 3 | |
| | 05 | LML | | 0 | 0 | |

6-3-2. NTSC Video Input

- 1. Enter the NTSC video color bar (White & color 75%) signal.
- 2. Enter the service mode, and set respective items as follows.
- 3. Measure waveform, and each item is adjusted to become the following figure.
- 4. Press "② (SWAP)" button on the commander, when the left screen and the right screen are changed.
- 5. After adjustment finished, press "♥ (MUTE)" + "⑩" button to write the data to the NVM.

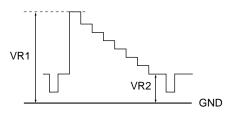
(i) SUB CONTRAST

Condition:

| Category | Item | | Data |
|----------|------|-----|------|
| SAJ | 00 | PIC | 3F |
| | 02 | COL | 00 |
| | 13 | PIO | 00 |
| JGL | 01 | RGB | 04 |

Adjusting Parameter:

LEFT screen : YCT 08 YOL RIGHT screen : SYC 08 YOL



 $VR1 - VR2 = 1.85 \pm 0.07 Vp-p$

(ii) SUB HUE/SUB COL

Condition:

| Category | Item | | Data | | | |
|----------|------|-----|------|--|--|--|
| SAJ | 02 | COL | 1F | | | |
| | 10 | HUO | 07 | | | |
| JGL | 01 | RGB | 07 | | | |

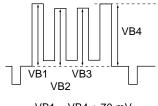
Adjusting Parameter:

LEFT screen : YCT 0A COL

00 TNT

RIGHT screen : SYC 0A COL

00 TNT



 $VB1 = VB4 \pm 70 \text{ mV}$ $VB2 = VB3 \pm 70 \text{ mV}$

6-3-3. NTSC RF Input

- 1. Enter the NTSC RF color bar (White & color 75%) signal.
- 2. Adjust with the same manner as 6-3-2. NTSC Video Input.

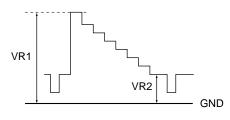
(i) SUB CONTRAST

Condition:

| Category | Item | | Data |
|----------|------|-----|------|
| SAJ | 00 | PIC | 3F |
| | 02 | COL | 00 |
| JGL | 01 | RGB | 04 |

Adjusting Parameter:

LEFT screen : YCT 04 SCT RIGHT screen : SYC 04 SCT



 $VR1 - VR2 = 1.85 \pm 0.07 Vp-p$

(ii) SUB HUE/SUB COL

Condition:

| Category | It | Data | |
|----------|----|------|----|
| SAJ | 02 | COL | 1F |
| | 10 | HUO | 07 |
| JGL | 01 | RGB | 07 |

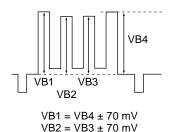
Adjusting Parameter:

LEFT screen : YCT 03 SCL

00 TNT

RIGHT screen : SYC 03 SCL

00 TNT



6-3-4. PAL Video Input

- 1. Enter the PAL video color bar (White & color 75%) signal.
- 2. Adjust with the same manner as 6-3-2. NTSC Video Input.

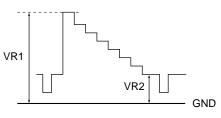
(i) SUB CONTRAST

Condition:

| Category | Item | | Data |
|----------|------|-----|------|
| SAJ | 00 | PIC | 3F |
| | 02 | COL | 00 |
| JGL | 01 | RGB | 04 |

Adjusting Parameter:

LEFT screen : YCT 04 SCT RIGHT screen : SYC 00 SCT



 $VR1 - VR2 = 1.85 \pm 0.07 Vp-p$

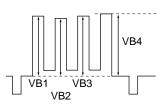
(ii) SUB HUE/SUB COL

Condition:

| Category | Item | | Data |
|----------|------|-----|------|
| SAJ | 02 | COL | 1 |
| JGL | 01 | RGB | 07 |

Adjusting Parameter:

LEFT screen : YCT 03 SCL RIGHT screen : SYC 03 SCL



VB1 = VB3 = VB4 ± 70 mV VB2 = VB3 ± 70 mV

6-3-5. PAL RF Input

- 1. Enter the PAL RF color bar (White & color 75%) signal.
- 2. Adjust with the same manner as 6-3-2. NTSC Video Input.

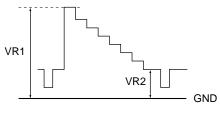
(i) SUB CONTRAST

Condition:

| Category | Item | | Data |
|----------|--------|-----|------|
| SAJ | 00 PIC | | 3F |
| | 02 | COL | 00 |
| JGL | 01 | RGB | 04 |

Adjusting Parameter:

LEFT screen : YCT 04 SCT RIGHT screen : SYC 04 SCT



 $VR1 - VR2 = 1.85 \pm 0.07 Vp-p$

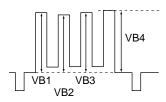
(ii) SUB HUE/SUB COL

Condition:

| Category | Item | | Data |
|----------|------|-----|------|
| SAJ | 02 | COL | 1F |
| JGL | 01 | RGB | 07 |

Adjusting Parameter:

LEFT screen : YCT 03 SCL RIGHT screen : SYC 03 SCL



 $VB1 = VB3 = VB4 \pm 70 \text{ mV}$ $VB2 = VB3 \pm 70 \text{ mV}$

6-4. Color Offset (53, 61 inch model only) 6-4-1. 50 Hz (PAL) TV Mode

- 1) Enter the PAL RF signal.
- 2) Enter the service mode, and write the following data to the NVM.

| Catagomy | Itam | D | ata | |
|----------|------|-----|---------|---------|
| Category | Item | | 53 inch | 61 inch |
| SAJ | 0E | CLO | 0A | 0B |

6-4-2.50 Hz (PAL) Video Mode

- 1) Enter the PAL video signal.
- 2) Enter the service mode, and write the following data to the NVM.

| C-4 | Item | | Б | ata |
|----------|------|-----|---------|---------|
| Category | | | 53 inch | 61 inch |
| SAJ | 0E | CLO | 09 | 0A |

6-4-3.60 Hz (NTSC) TV Mode

- 1) Enter the NTSC RF signal.
- Enter the service mode, and write the following data to the NVM.

| | Item | | D | ata |
|----------|------|-----|---------|---------|
| Category | | | 53 inch | 61 inch |
| SAJ | 0E | CLO | 0A | 0B |

6-4-4.60 Hz (NTSC) Video Mode

- 1) Enter the NTSC video signal.
- Enter the service mode, and write the following data to the NVM.

| G . | Item | | D | ata |
|----------|------|-----|---------|---------|
| Category | | | 53 inch | 61 inch |
| SAJ | 0E | CLO | 0A | 0B |

6-5. REGISTRATION ADJUSTMENT

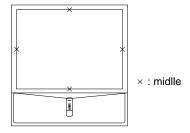
It is adjusted by REGISTRATION ADJUSTMENT respectively in the following 5 modes.

- DRC1250 (50 Hz) mode
- DRC100 (50 Hz) mode
- DRC1250 (60 Hz) mode
- DRC100 (60 Hz) mode
- DRC1250 (60 Hz) WIDE mode

6-5-1. Setup for Adjustment

1. Marking

1) At the 4 insides of the screen, locate the middle. Use a tape measure to identify the middle.



2. Data Setting

- 1) Set in the DRC1250 (50 Hz) mode.
- 2) Set in the Service mode, and select the category "PJE".
- 3) Press "⑦" + "⑩" button on the commander to read the data from NVM. Then all the default data are restored.
- 4) Change it to other 4 modes, and set the data with the respectively same process.

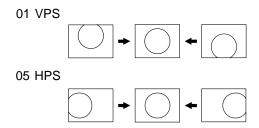
Note: When you replaced printed circuit boards or devices or CRTs, and when correction is drastically necessary, press "⑤" +"⑥" (PJE INITIAL) button to initialize the data in the PJE mode.

Press "[®] (MUTE)" + "[®]" buttons on the commander to write the data.

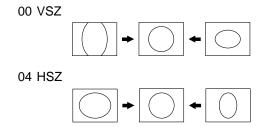
: Be sure to set up the data in the PJE mode. All data initialize it when this operation is done by other categories.

6-5-2. Method of Main Deflection Adjustment

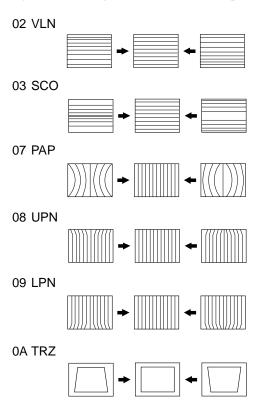
- 1. Place the caps on the red and blue lenses so that only the green color is displayed.
- 2. Enter the signal.
- 3. Set in the Service mode, and select the category "GEO".
- Adjust "01 VPS" and "05 HPS" so that the picture is displayed in the center of screen.



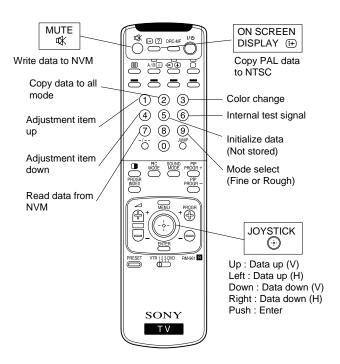
Adjust "00 VSZ" and "04 HSZ" so that the picture size is within the specification.



6. Adjust the following items so as to attain the optimum picture.



6-5-3. Operation Method for Projector Engine (PJE) Mode



RM-961

1. Functions of Keys on Commander

- (1) : Changes adjustment item. (item No. moves up)
 - : Marker moves clockwise from center to outside. (in fine adjustment mode)
- (4) : Changes adjustment item. (item No. moves down)
 - : Marker moves counterclockwise from outside to center. (in fine adjustment mode)
- : Changes data value.

(up, down, or to the left or right)

(move) : Marker moves up, down, or to the left or right. (in fine adjustment mode)

- (3) : Changes adjustment color.
 - (except item No. 00~38) GRN → BLU → RED
- 6 : Displays or changes internal test signals.
 - : crosshatch + external signal → dot + external signal → crosshatch only → dot only → off
- (9) : Switches adjustment mode.

rough adjustment mode → fine adjustment

mode

: Switches marker moving method.

(push) (in fine adjustment mode)

Commander Function (PJE mode)

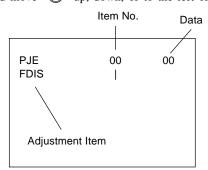
| Button | Mode | Description |
|------------------------|---------|--|
| ₩+0 | WRITE | Writes data to NVM. |
| 7 + 0 | READ | Reads data from NVM. |
| 5 + 0 | *PJE | Service data initialization. Not stored. |
| | INITIAL | (Be sure not to use usually) |
| 2 + 0 | *PJE | Copies and writes data of DRC1250 |
| | COPY | (50Hz) mode to all other modes. |
| (+) + (0) | *PJE | Copies data of 50 Hz (PAL) mode to |
| | WRT5060 | 60 Hz (NTSC) mode. |

^{*:} only data in the PJE mode.

joystick key → ① and ④ buttons

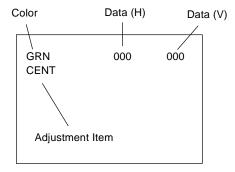
2. Operation Method for Rough Adjustment

- 1) Set in the Service mode, and select the category "PJE".
- 2) Press "(1)" or "(4)" button on the commander to select the item, and move "O" up, down, or to the left or right to



change the data.

- 3) Select item "GRN CENT". When BLU or RED is displayed, press "3" button on the commander to change the adjustment color in the order of GRN → BLU → RED.
- 4) In the GRN, BLU, or RED mode, move "" up or down to change the data in vertical direction, or move "O" to the

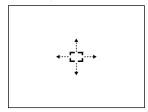


left or right to change the data in horizontal direction.

5) When it moves from PJE to other categories, repeat "(1)" or "4" button and press it.

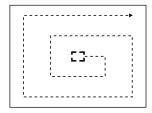
3. Operation Method for Fine Adjustment (in GRN, BLU, or RED Mode)

- 1) Set in the Service mode, and select the category "PJE".
- 2) Select item "FDIS" so that the data at each position can be displayed in the fine adjustment mode, and set the data to "01".
- 3) Press "9" button on the commander, and the fine adjustment mode will be active where a green marker appears in the center of screen (in the case of GRN mode).
- 4) Push "(ENTER)" button, and the marker color will be switched between green (GRN mode) and white alternately.
- 5) Use "1" or "4" button on the commander, or the joystick to move the marker to the position to be adjusted, where fine adjustment can be made.
- When marker color is white. (in this case, fine adjustment is disabled)



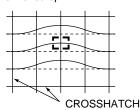
Operating the joystick can move the marker up, down, or to the left or right freely.

• When marker color is green. (GRN mode)

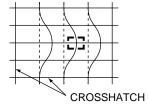


- ①: moves the marker clockwise from center to outside.
- ④: moves the marker counterclockwise from outside to center.
- Fine adjustment can be made on the basis of marker position using joystick key.

Movement when joystick key is moved up.



Movement when joystic key is moved to the right.



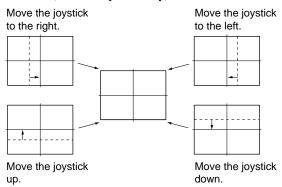
6) Press "9" button on the commander to return to the rough adjustment mode.

6-5-4. Method of Projector Engine Adjustment (Sub Deflection Adjustment)

| Adjustment | | O : Yes | -: No | |
|-----------------|-----------------|---------|-------|--|
| | Adjustment Type | | | |
| Adjustment Item | GRN | RED | BLU | |
| | H/V | H/V | H/V | |
| CENT | 0/0 | 0/0 | 0/0 | |
| SKEW | 0/0 | 0/0 | 0/0 | |
| SIZE | 0/0 | 0/0 | 0/0 | |
| LIN | -/- 0/- | | 0/- | |
| KEY | -/- | -/0 | -/0 | |
| PIN | -/0 | -/0 | -/0 | |

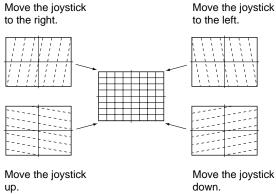
1. Green Adjustment

- 1) Place the caps on the red and blue lenses so that only the green color is displayed.
- 2) Enter the signal.
- 3) Set in the Service mode, and select the category "PJE".
- 4) Press "6" button on the commander to display internal test signal (crosshatch).
- 5) Select "GRN CENT", and adjust so that the picture coincide in the center of screen.
- GRN CENT (horizontally/vertically)

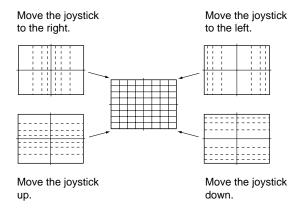


KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

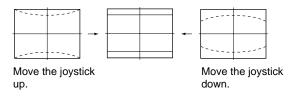
- Select "GRN SKEW", and correct the tilt of horizontal lines and vertical lines.
- GRN SKEW (horizontally/vertically)



- Select "GRN SIZE", and adjust so that each distance from center to left end and to right end is equal. Adjust so that each distance from center to top and to bottom is equal.
- GRN SIZE (horizontally/vertically)



- 8) Select "GRN PIN", and adjust so that upper and lower horizontal lines on the screen become straight.
- GRN PIN (vertically)

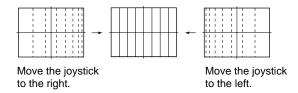


- Press "9" button on the commander to enter the fine adjustment mode.
- 10) Make fine adjustment so that horizontal lines and vertical lines become straight.
- 11) Press "⑨" button on the commander to return to the rough adjustment mode.

2. Blue Adjustment

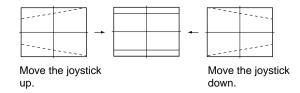
- Place a cap on the red lens so that green and blue colors are displayed.
- 2) Press "3" button on the commander to select BLU mode.
- 3) Adjust the following items so that blue lines overlap with green lines.
- BLU CENT (horizontally/vertically)
- BLU SKEW (horizontally/vertically)
- BLU SIZE (horizontally/vertically)
- BLU LIN (horizontally)

Adjust so that each space at the right end and at the left end of screen is equal.



• BLU KEY (vertically)

Adjust so that upper and lower horizontal lines on the screen become parallel.



- BLU PIN (vertically)
- 4) Press "9" button on the commander to enter the fine adjustment mode.
- 5) Make fine adjustment so that horizontal lines and vertical lines overlap with green lines.
- Press "9" button on the commander to return to the rough adjustment mode.

3. Red Adjustment

- Place a cap on the blue lens so that green and red colors are displayed.
- 2) Press "3" button on the commander to select RED mode.
- 3) Hereinafter, use same manner as that of blue adjustment to adjust so that the red lines overlap with green lines.

6-5-5. Deflection Adjustment

1. DRC1250 50 Hz (PAL) Mode

- 1) Enter the PAL SPCB signal, and set the DRC1250.
- 2) Set in the service mode, and write the following data to NVM.

Condition:

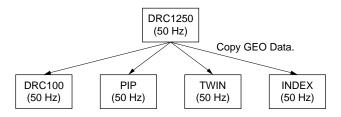
| Category | Item | | Data |
|----------|------|-----|------|
| GEO | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 1F |
| MID | 00 | HPH | 3E |
| | 01 | VPH | 15 |

3) Adjust the main deflection. (Refer to 6-5-2.)

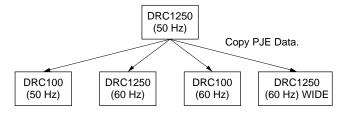
| SPEC | Ov | verscan Spec. = 7.5% |
|--------------|----------------|----------------------|
| Input Signal | H SIZE | V SIZE |
| PAL SPCB | 16.6 ± 0.1 sq. | 12.5 ± 0.1 sq. |

- 4) After the Main Deflection Adjustment finished, press "\square" (MUTE)"+"0" buttons on the commander to write the data to the NVM.
- 5) Select the category "GEO" and the item "19 CPY", and set the data to "01".

Press "♥ (MUTE)"+"0" buttons to copy GEO data to other 50 Hz modes



- 6) Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 7) After the Projector Engine Adjustment finished, press "\$\Pi\$ (MUTE)"+"0" buttons on the commander to write the data to the NVM.
- 8) Press "2"+"0" buttons to copy PJE data to all other modes in the PJE mode.



2. DRC100 50 Hz (PAL) Mode

- 1) Enter the PAL SPCB signal, and set the DRC100.
- 2) Set in the service mode, and write the following data to NVM.

Condition:

| Category | Item | | Data |
|----------|------|-----|------|
| GEO | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 1F |
| MID | 00 | HPH | 3E |
| | 01 | VPH | 0C |

3) Adjust the main deflection. (Refer to 6-5-2.)

| SPEC | | O | verscan Spec. = 7.5% |
|------|--------------|----------------|----------------------|
| | Input Signal | H SIZE | V SIZE |
| | PAL SPCB | 16.6 ± 0.1 sq. | 12.5 ± 0.1 sq. |

- 4) After the Main Deflection Adjustment finished, press "♥ (MUTE)"+"0" buttons on the commander to write the data to the NVM.
- 5) Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 6) After the Projector Engine Adjustment finished, press "♥ (MUTE)"+"0" buttons on the commander to write the data to the NVM.

- 1) Enter the PAL SPCB signal, and set in the service mode.
- 2) Open the remote control cover, press " (PIP)" button on the commander to set the PIP mode.
- 3) Confirm and set the following data.

3. PIP 50 Hz (PAL) Mode

Condition:

| idition . | | | | | |
|-----------|----|-----|--------------------|--|--|
| Category | It | em | Data | | |
| GEO | 00 | VSZ | | | |
| | 01 | VPS | | | |
| | 02 | VLN | | | |
| | 03 | SCO | | | |
| | 04 | HSZ | Same as DRC1250 | | |
| | 05 | HPS | 50 Hz (PAL) | | |
| | 07 | PAP | mode | | |
| | 08 | UPN | | | |
| | 09 | LPN | | | |
| | 0A | TRZ | | | |
| | 0B | AGL | 07 | | |
| | 0C | BOW | 07 | | |
| | 15 | VSC | 1F | | |
| MID | 00 | HPH | 3E | | |
| | 01 | VPH | 15 | | |

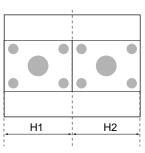
4) Press "♥ (MUTE)"+"• buttons on the commander to write the data to the NVM.

- 1) Enter the PAL SPCB signal, and set in the service mode.
- 2) Press "① (TWIN)" button on the commander to set the TWIN mode.
- 3) Confirm and set the following data.

Condition:

| Category | It | em | Data |
|----------|----|-----|------------------------|
| GEO | 00 | VSZ | |
| | 01 | VPS | |
| | 02 | VLN | |
| | 03 | SCO | |
| | 04 | HSZ | Same as |
| | 05 | HPS | DRC1250 50 Hz (PAL) |
| | 07 | PAP | mode |
| | 08 | UPN | |
| | 09 | LPN | |
| | 0A | TRZ | |
| | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 1F |
| MID | 00 | HPH | 7B |
| | 01 | VPH | 20 |
| | 11 | TMP | 01 |
| | 12 | TSP | 00 |

4) Select the category "GEO" and the item "05 HPS", and adjust the horizontal position.



 $H1 - H2 = \pm 0.1 \text{ sq}.$

5) Press "I (MUTE)"+"0" buttons on the commander to write the data to the NVM.

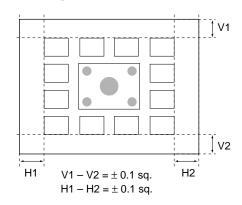
5. INDEX 50 Hz (PAL) Mode

- 1) Enter the PAL SPCB signal, and set in the service mode.
- Press "PROGR INDEX" button on the commander to set the INDEX mode.
- 3) Confirm and set the following data.

Condition:

| Category | It | em | Data |
|----------|----|-----|------------------------|
| GEO | 00 | VSZ | |
| | 01 | VPS | |
| | 02 | VLN | |
| | 03 | SCO | |
| | 04 | HSZ | Same as |
| | 05 | HPS | DRC1250 50 Hz (PAL) |
| | 07 | PAP | mode |
| | 08 | UPN | |
| | 09 | LPN | |
| | 0A | TRZ | |
| | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 1F |
| MID | 00 | HPH | 78 |
| | 01 | VPH | lA |

4) Select the category "GEO" and the item "05 HPS" to adjust the horizontal position, and select the item "01 VPS" to adjust the vertical position.



5) Press "♥ (MUTE)"+"⑥" buttons on the commander to write the data to the NVM.

6. DRC1250 60 Hz (NTSC) Mode

- 1) Enter the NTSC monoscope signal, and set the DRC1250.
- Set in the service mode, and write the following data to NVM.

Condition:

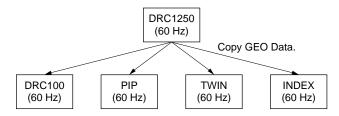
| Category | Item | | Data |
|----------|------|-----|------|
| GEO | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 22 |
| MID | 00 | HPH | 49 |
| | 01 | VPH | 25 |

3) Adjust the main deflection. (Refer to 6-5-2.)

| SPEC | | O | verscan Spec. = 7.5% |
|------|----------------|--------------------|----------------------|
| | Input Signal | H SIZE | V SIZE |
| | NTSC monoscope | 15.7 ± 0.1 sq. | 11.8 ± 0.1 sq. |

- 4) After the Main Deflection Adjustment finished, press "♥ (MUTE)"+"⑥" buttons on the commander to write the data to the NVM.
- 5) Select the category "GEO" and the item "19 CPY", and set the data to "01".

Press "♥ (MUTE)"+"0" buttons to copy GEO data to other 60 Hz modes



- 6) Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 7) After the Projector Engine Adjustment finished, press "咊 (MUTE)"+"⑩" buttons on the commander to write the data to the NVM.

7. DRC100 60 Hz (NTSC) Mode

- 1) Enter the NTSC monoscope signal, and set the DRC100.
- 2) Set in the service mode, and write the following data to NVM.

Condition:

| Category | Item | | Data |
|----------|------|-----|------|
| GEO | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 22 |
| MID | 00 | HPH | 49 |
| | 01 | VPH | 13 |

3) Adjust the main deflection. (Refer to 6-5-2.)

SPEC

Overscan Spec. = 7.5%

| Input Signal | H SIZE | V SIZE |
|----------------|----------------|----------------|
| NTSC monoscope | 15.7 ± 0.1 sq. | 11.8 ± 0.1 sq. |

- 4) After the Main Deflection Adjustment finished, press "♥ (MUTE)"+"⑥" buttons on the commander to write the data to the NVM.
- 5) Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 6) After the Projector Engine Adjustment finished, press "♥ (MUTE)"+"⑥" buttons on the commander to write the data to the NVM.

8. PIP 60 Hz (NTSC) Mode

- Enter the NTSC monoscope signal, and set in the service mode.
- 2) Open the remote control cover, press " (PIP)" button on the commander to set the PIP mode.
- 3) Confirm and set the following data.

Condition:

| ~ | - | | _ |
|----------|------|-----|--------------------|
| Category | Item | | Data |
| GEO | 00 | VSZ | |
| | 01 | VPS | |
| | 02 | VLN | |
| | 03 | SCO | |
| | 04 | HSZ | Same as DRC1250 |
| | 05 | HPS | 60 Hz (NTSC) |
| | 07 | PAP | mode |
| | 08 | UPN | |
| | 09 | LPN | |
| | 0A | TRZ | |
| | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 22 |
| MID | 00 | HPH | 49 |
| | 01 | VPH | 25 |

4) Press "♥ (MUTE)"+"①" buttons on the commander to write the data to the NVM.

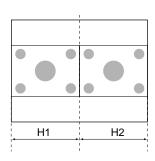
2) Press "• (TWIN)" button on the commander to set the TWIN mode.

3) Confirm and set the following data.

Condition:

| ildition . | т. | | D / |
|------------|------|-----|--------------------|
| Category | Item | | Data |
| GEO | 00 | VSZ | |
| | 01 | VPS | |
| | 02 | VLN | |
| | 03 | SCO | |
| | 04 | HSZ | Same as DRC1250 |
| | 05 | HPS | 60 Hz (NTSC) |
| | 07 | PAP | mode |
| | 08 | UPN | |
| | 09 | LPN | |
| | 0A | TRZ | |
| | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 22 |
| MID | 00 | HPH | 6F |
| | 01 | VPH | 2E |
| | 11 | TMP | 01 |
| | 12 | TSP | 00 |

4) Select the category "GEO" and the item "05 HPS", and adjust the horizontal position.



 $H1 - H2 = \pm 0.1 \text{ sq.}$

5) Press "\$\preceq\$ (MUTE)"+"\overline{0}" buttons on the commander to write the data to the NVM.

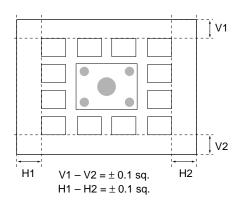
10.INDEX 60 Hz (NTSC) Mode

- Enter the NTSC monoscope signal, and set in the service mode.
- 2) Press "PROGR INDEX" button on the commander to set the INDEX mode.
- 3) Confirm and set the following data.

Condition:

| Category | Item | | Data |
|----------|------|-----|-------------------------|
| GEO | 00 | VSZ | |
| | 01 | VPS | |
| | 02 | VLN | |
| | 03 | SCO | |
| | 04 | HSZ | Same as |
| | 05 | HPS | DRC1250 60 Hz (NTSC) |
| | 07 | PAP | mode |
| | 08 | UPN | |
| | 09 | LPN | |
| | 0A | TRZ | |
| | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 15 | VSC | 22 |
| MID | 00 | HPH | 6C |
| | 01 | VPH | 2D |

4) Select the category "GEO" and the item "05 HPS" to adjust the horizontal position, and select the item "01 VPS" to adjust the vertical position.



5) Press "哎 (MUTE)"+"⑩" buttons on the commander to write the data to the NVM.

11.DRC1250 WIDE 60 Hz (NTSC) Mode

- 1) Enter the NTSC monoscope signal and set the DRC1250.
- Press "MENU" button on the commander and move "⊕" up or down to enter the "FEATURE" → "WIDE MODE".
- 3) Select "WIDE MODE : ON", and push " (ENTER)" button.
- 4) Press "MENU" button to return to service mode screen.
- Set in the service mode and write the following data to NVM.

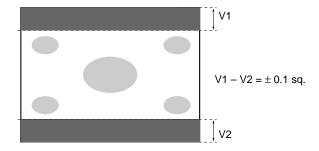
Condition:

| Category | Item | | Data |
|----------|------|-----|------|
| GEO | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 14 | VAS | 2C |
| | 15 | VSC | 22 |
| | 16 | USC | 01 |
| | 17 | VBW | 03 |

3) Adjust the main deflection. (Refer to 6-5-2.)

SPEC

| Input Signal | H SIZE | |
|----------------|----------------------------|--|
| NTSC monoscope | $15.7 \pm 0.1 \text{ sq}.$ | |



- 4) After the Main Deflection Adjustment finished, press "♥ (MUTE)"+"⑥" buttons on the commander to write the data to the NVM.
- 5) Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 6) After the Projector Engine Adjustment finished, press "

 (MUTE)"+"

 ®" buttons on the commander to write the data to the NVM.

12.PIP WIDE 60 Hz (NTSC) Mode

- Enter the NTSC monoscope signal and set in the service mode.
- 2) Set the WIDE mode and open the remote control cover, press " (PIP)" button on the commander to set the PIP mode.
- 3) Confirm and write the following data.

Condition:

| Category | Item | | Data |
|----------|------|-----|-----------------------|
| GEO | 00 | VSZ | |
| | 01 | VPS | |
| | 02 | VLN | |
| | 03 | SCO | Same as |
| | 04 | HSZ | DRC1250 WIDE 60 Hz |
| | 05 | HPS | (NTSC) mode |
| | 07 | PAP | , , |
| | 08 | UPN | |
| | 09 | LPN | |
| | 0A | TRZ | |
| | 0B | AGL | 07 |
| | 0C | BOW | 07 |
| | 14 | VAS | 2C |
| | 15 | VSC | 22 |
| | 17 | VBW | 03 |

4) Press "♥ (MUTE)"+" o" buttons on the commander to write the data to the NVM.

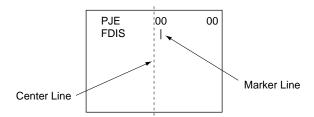
Note: Incase of replacing CRTs, adjust the set-up adjustments (items 4-1 to 4-7) and the registration adjustment (item 6-5).

In case of replacing two or three CRTs at the same time, replace and adjust one by one.

6-6. AUTO CONVERGENCE SETTING

This adjustment must be performed after the registration adjustment was made or after readjustment was made by any reason.

- 1. Darken the periphery of this set.
- 2. Enter the PAL SPCB signal, and set the DRC100 mode.
- 3. Set in the service mode, and select the category "PJE" and the item "PWM2".
- 4. Adjust "PWM2" so that the marker line is on monoscope center line.



- 5. Press "♣ (MUTE)"+"O" buttons on the commander to write the data to the NVM.
- 6. Press "(AUTO CONVERGENCE)" button on the front panel of the set.

(The offset value is now automatically stored.)

- 7. Check that no error message appears.

 If an error message appears, recheck. (Refer to 6-8.)
- 8. In the same manner, select DRC100 mode respectively, and press the "((AUTO CONVERGENCE)" button.
- Enter the NTSC monoscope signal, and perform the same steps in the DRC1250, DRC100 and DRC1250 WIDE modes respectively.

6-7. WHITE BALANCE ADJUSTMENT

- 1. Enter the monoscope signal.
- 2. Set in the service mode.
- 3. Press "MENU" button on the commander to select "A/V CONTROL" → "PICTURE MODE" → "ADJUST".

Adjustment Condition

PICTURE MODE: PERSONAL

PICTURE : 0% BRIGHT : 50%

If the noise of DCF (Digital Comb Filter) has an effecting white balance adjustment, change service data as follows while the adjustment.

OPM 06 COM : $00 \rightarrow 01$

(This time, beginning inspection also should be done under some condition.)

Adjusting Parameter

| Category | Item | | | | | |
|----------|------|-----|--|--|--|--|
| WHB | 02 | SBR | | | | |
| | 03 | RDR | | | | |
| | 05 | BDR | | | | |
| | 06 | RCT | | | | |
| | 08 | BCT | | | | |

- 4. Adjust "02 SBR" so that 10 IRE section barely grows.
- 3. Enter the all-white pattern signal.
- 6. Adjust "06 RCT" and "08 BCT" so as to attain the optimum white balance.
- 7. Adjust "02 SBR" so that 100 IRE section barely grows.
- 8. Adjust "03 RDR" and "05 BDR" so as to attain the optimum white balance.
- 9. Repeatedly adjust the white balance for the minimum and maximum picture setting.
- 10. Enter the monoscope signal, and select "SAJ 00 PIC", and set the data to "00".
- 11. Adjust "02 SBR" so that the border between 0 IRE and 10 IRE becomes distinct.

6-8. AUTO CONVERGENCE ERROR CODE LIST

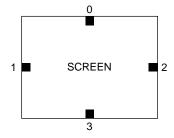
If an error code is displayed after the set has been fully adjusted, correctly, plese check the following items: position, tilt and sizing. If either of these adjustments are off, even slightli, the auto registration pattern will not hit the four sensors properly. This occurs when the internal generator patterns is being flashed on the screen for the sensor to read. Therefore, auto registration (called auto convergence) cannot operate properly causing an error code to be displayed. In order for this function to operate properly, correct position, tilt and size must be adjusted properly.

ERROR CODE LIST

| ERROR CODE | DESCRIPTION | NOTE | |
|---------------|-------------------------|---|-----------------------|
| 00 | No Error | | |
| 10 | Sensor Input Level Low | * Check wiring, beam position, sensor. | 0 : Upper Center |
| | | | 1 : Middle Left |
| | | | 2 : Middle Right |
| | | | 3 : Lower Center |
| 20 | Sensor Input Level High | * Check OP-Amp circuit. | 0 : Upper Center |
| | | | 1 : Middle Left |
| | | | 2 : Middle Right |
| | | | 3 : Lower Center |
| 30 | Loop Limit Over | * Check the registration information on t | he convergence board. |
| 40 | Regi Data Overflow | * Chack the convergence vake driver IC | c |
| 50 | Regi Data Overdraw | * Check the convergence yoke driver IC | 5. |
| 60 | Offset Data Overflow | * Convergence patterns displayed are a | ut of normal range |
| 70 | Offset Data Overdraw | * Convergence patterns displayed are o | ut of normal range. |

^{*:} In case of multiple error, last error is displayed.

[SENSOR POSITION]



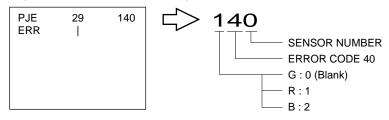
0 : UPPER SENSOR 1 : LEFT SENSOR 2 : RIGHT SENSOR 3 : LOWER SENSOR

• ERROR CODE SCREEN DISPLAY

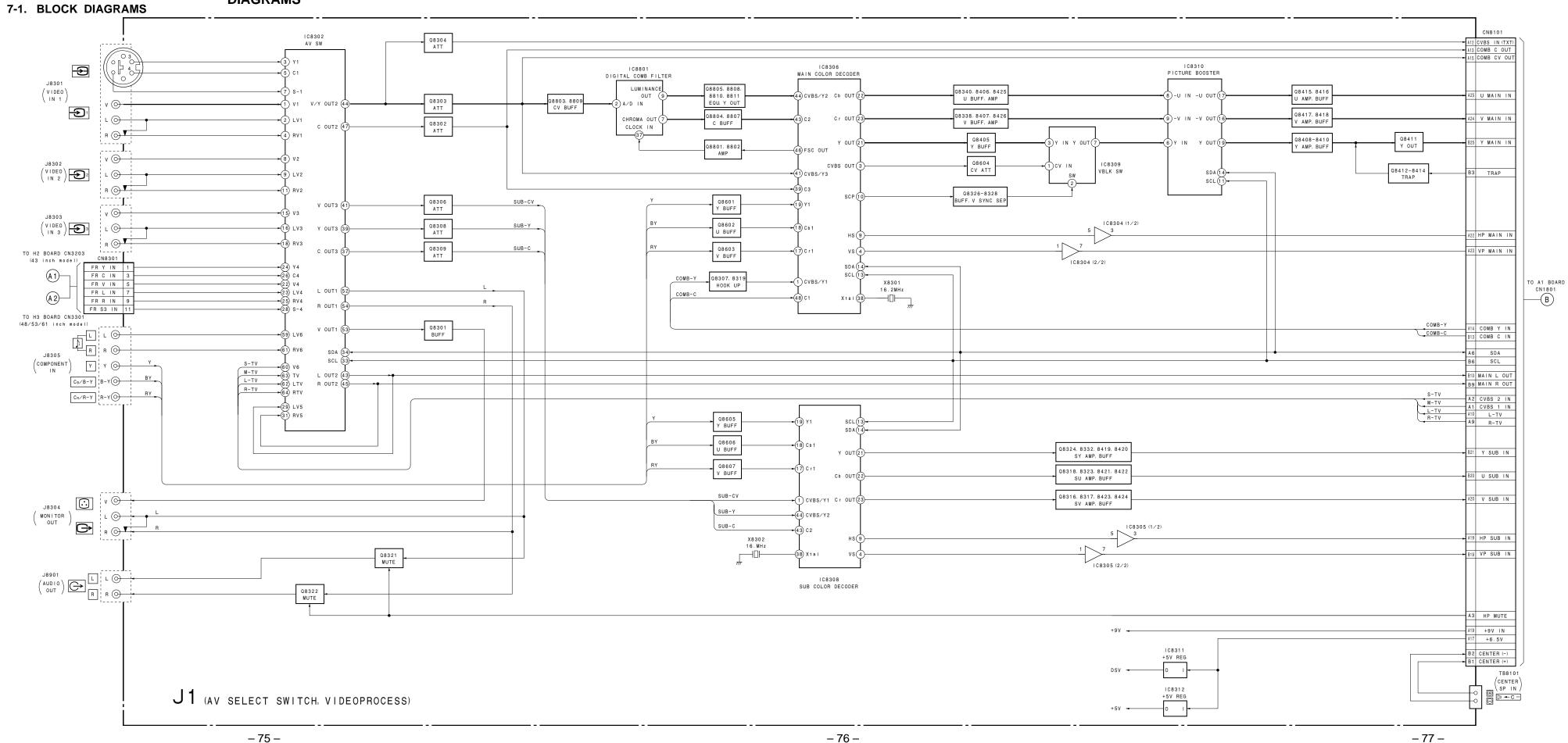
ERROR

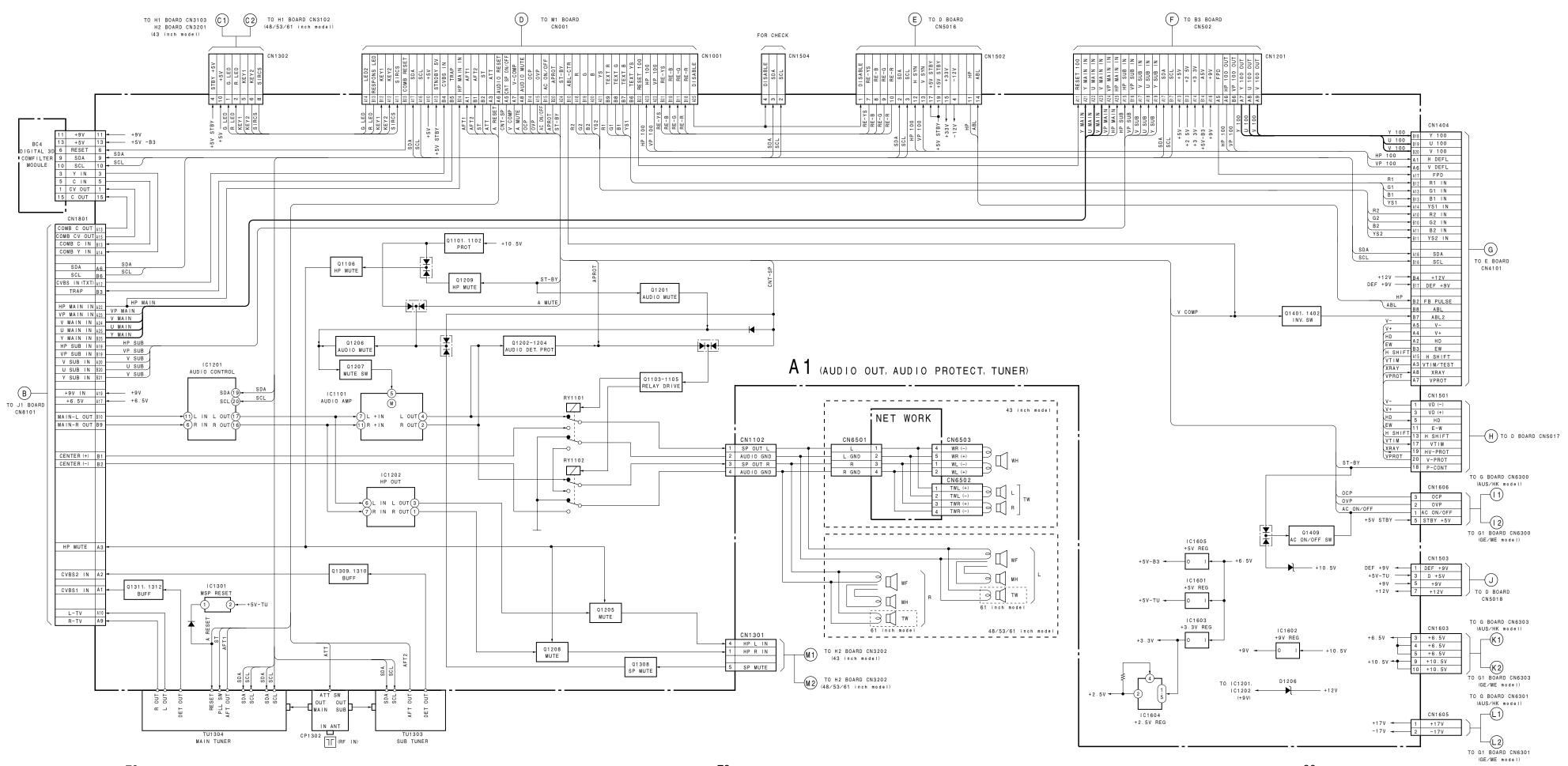
• ERROR CODE SCREEN DISPLAY

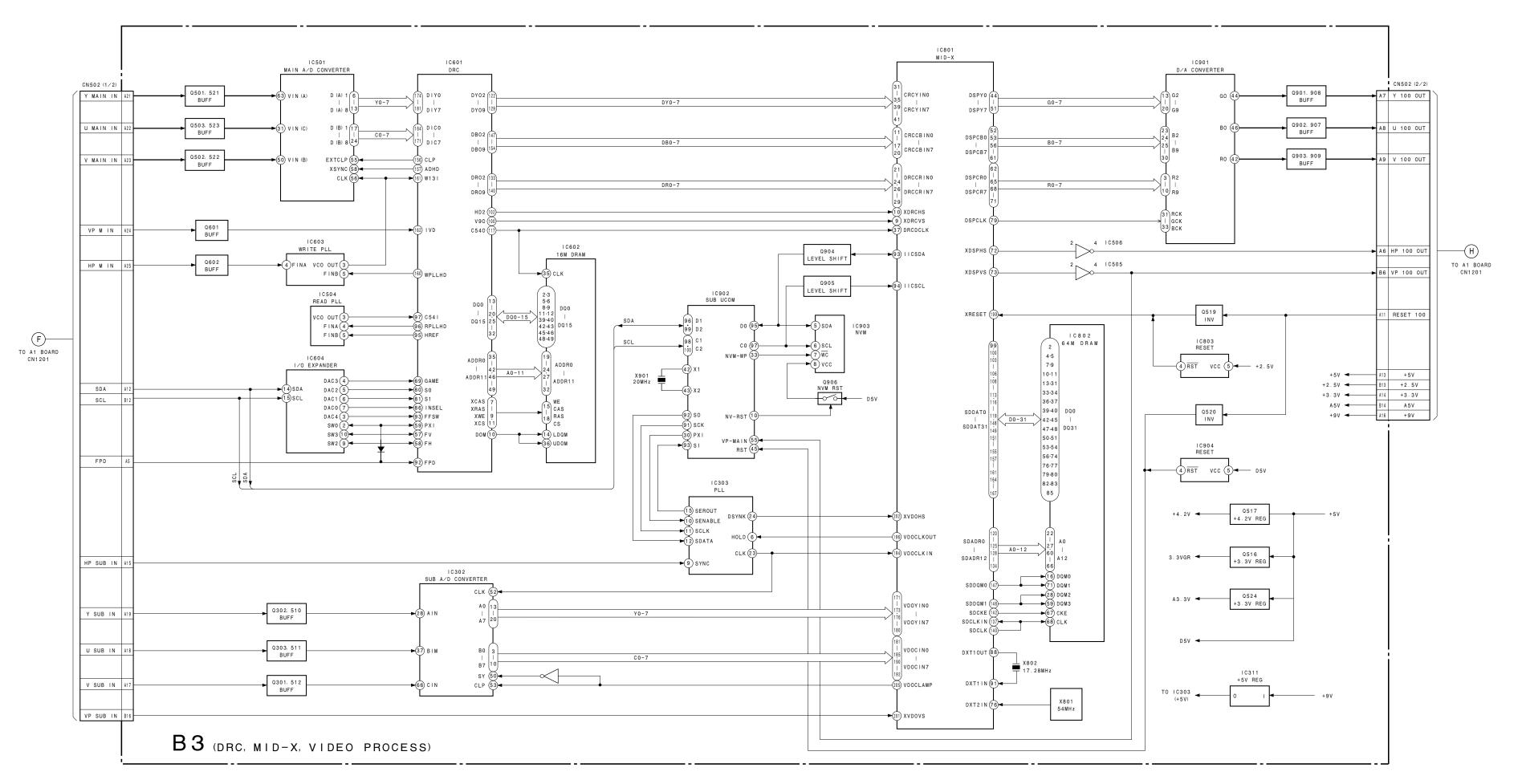
(When select "PJE" → "29 ERR".)

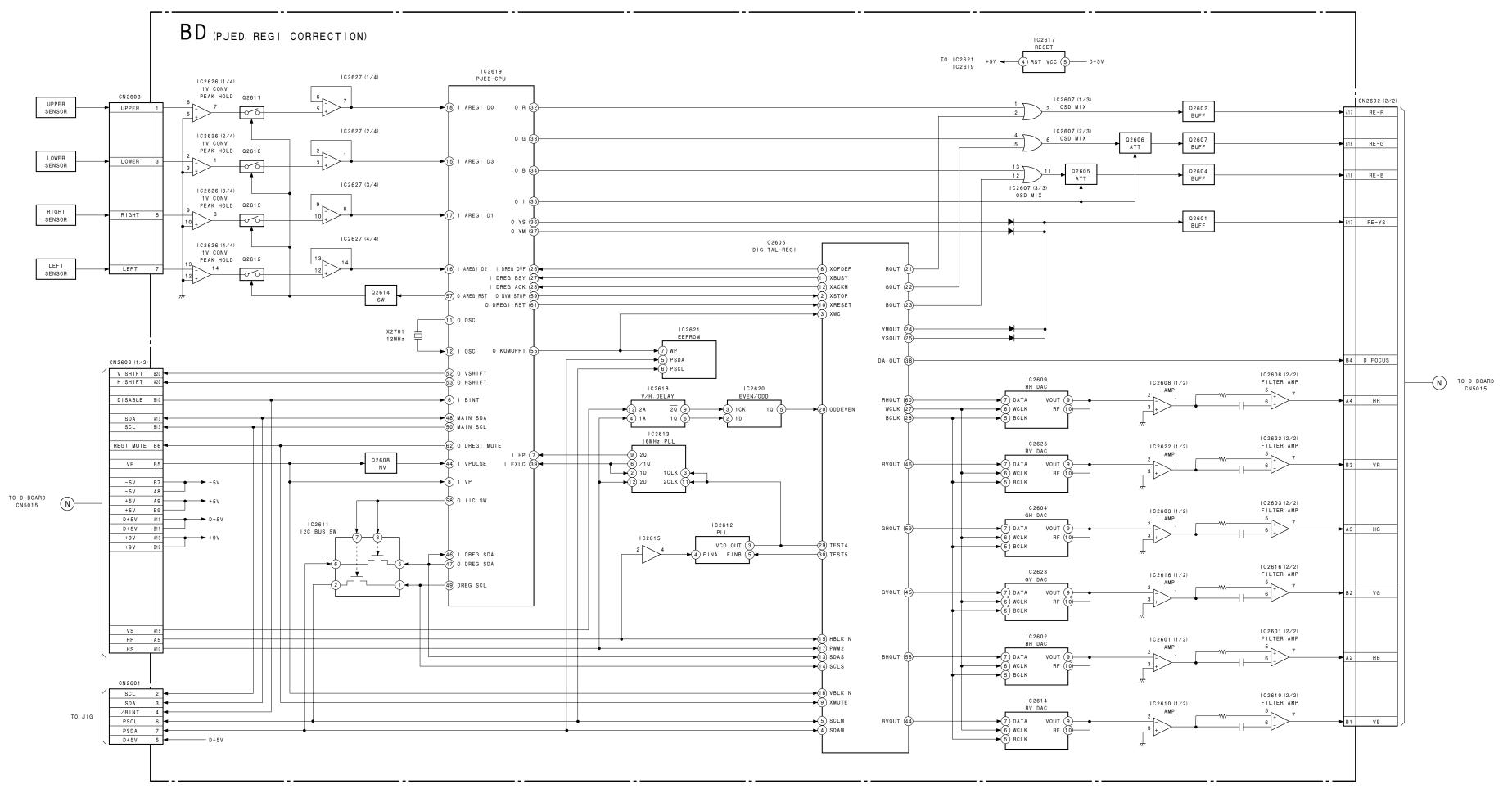


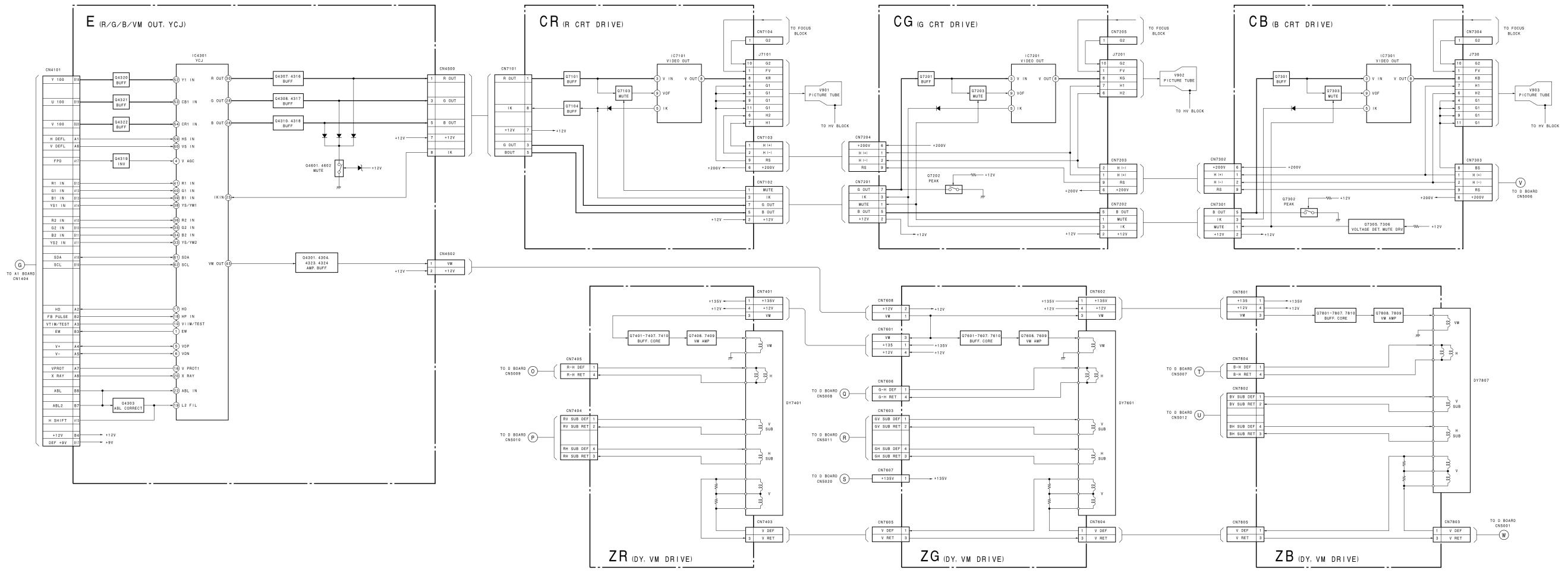
Category : PJE Item : 29 ERR



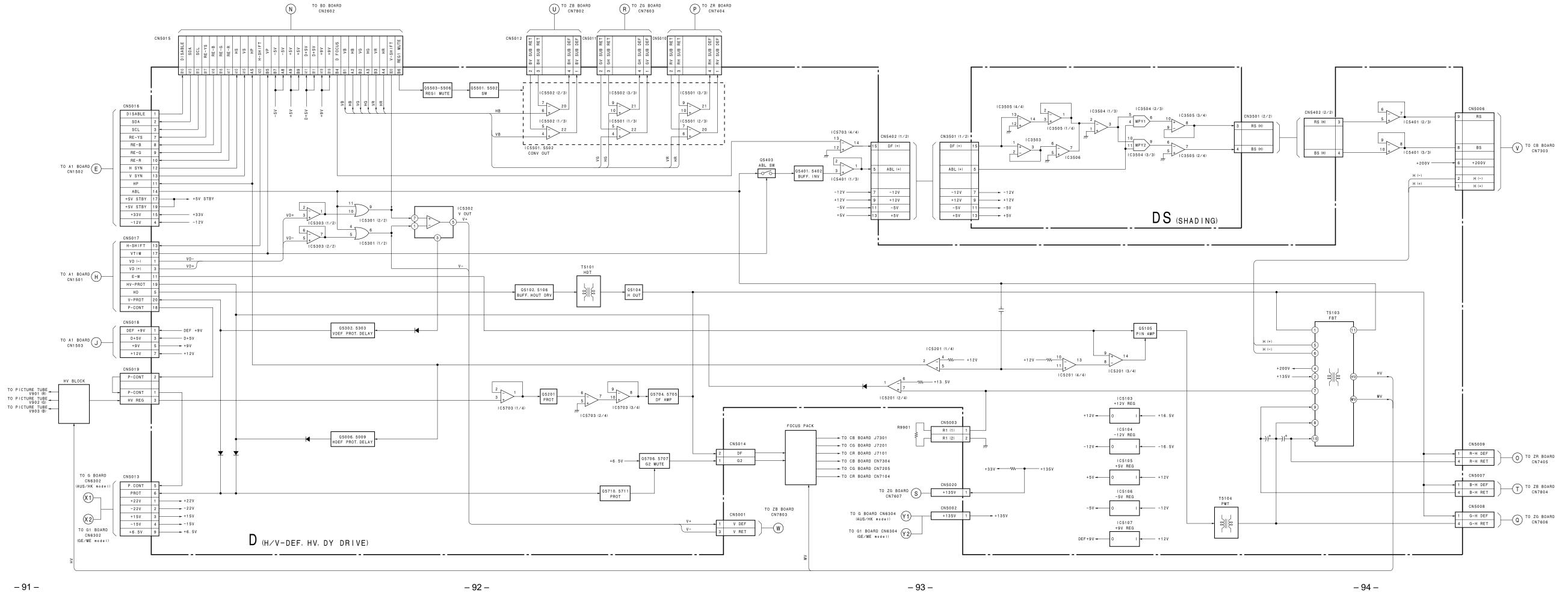


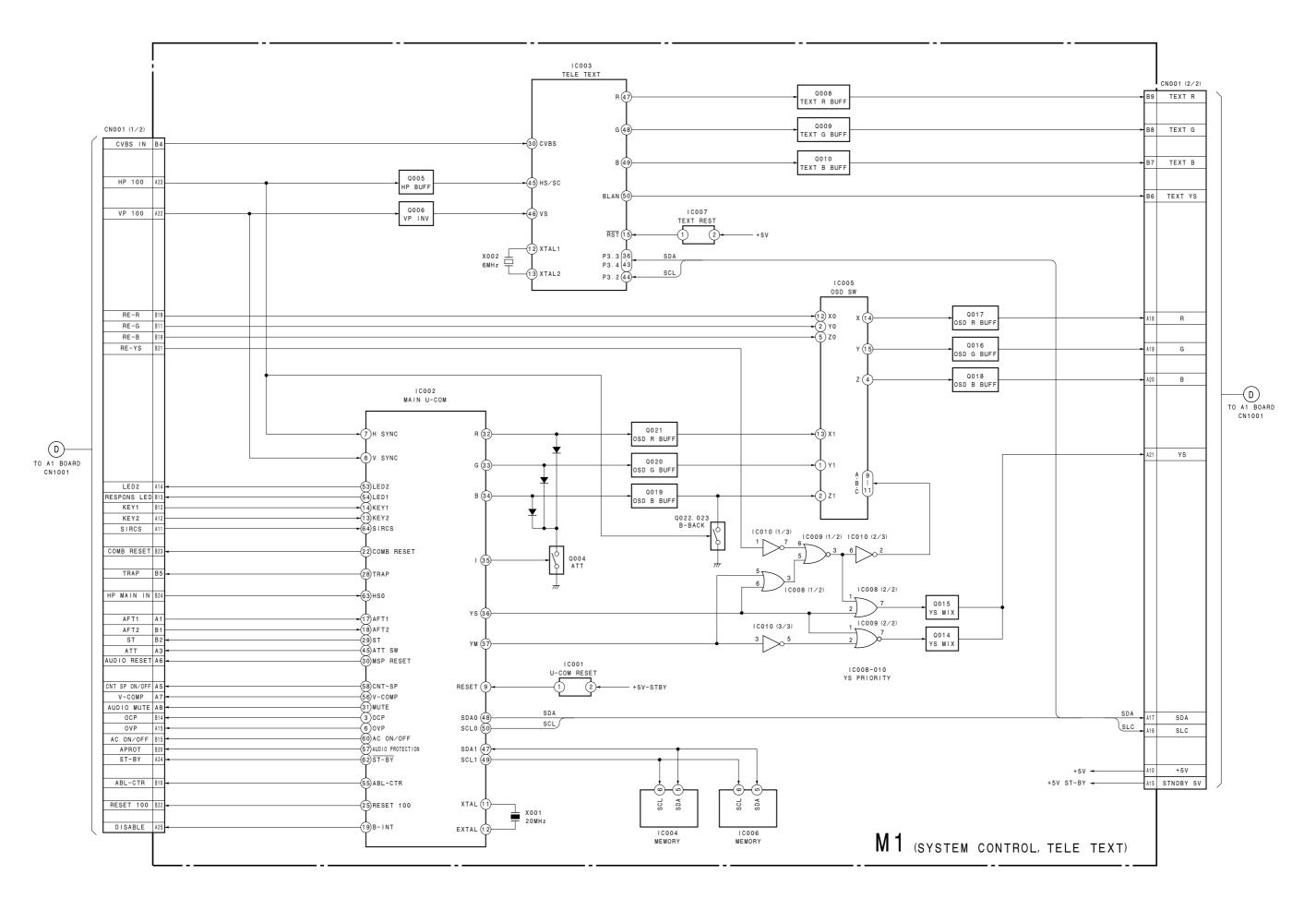


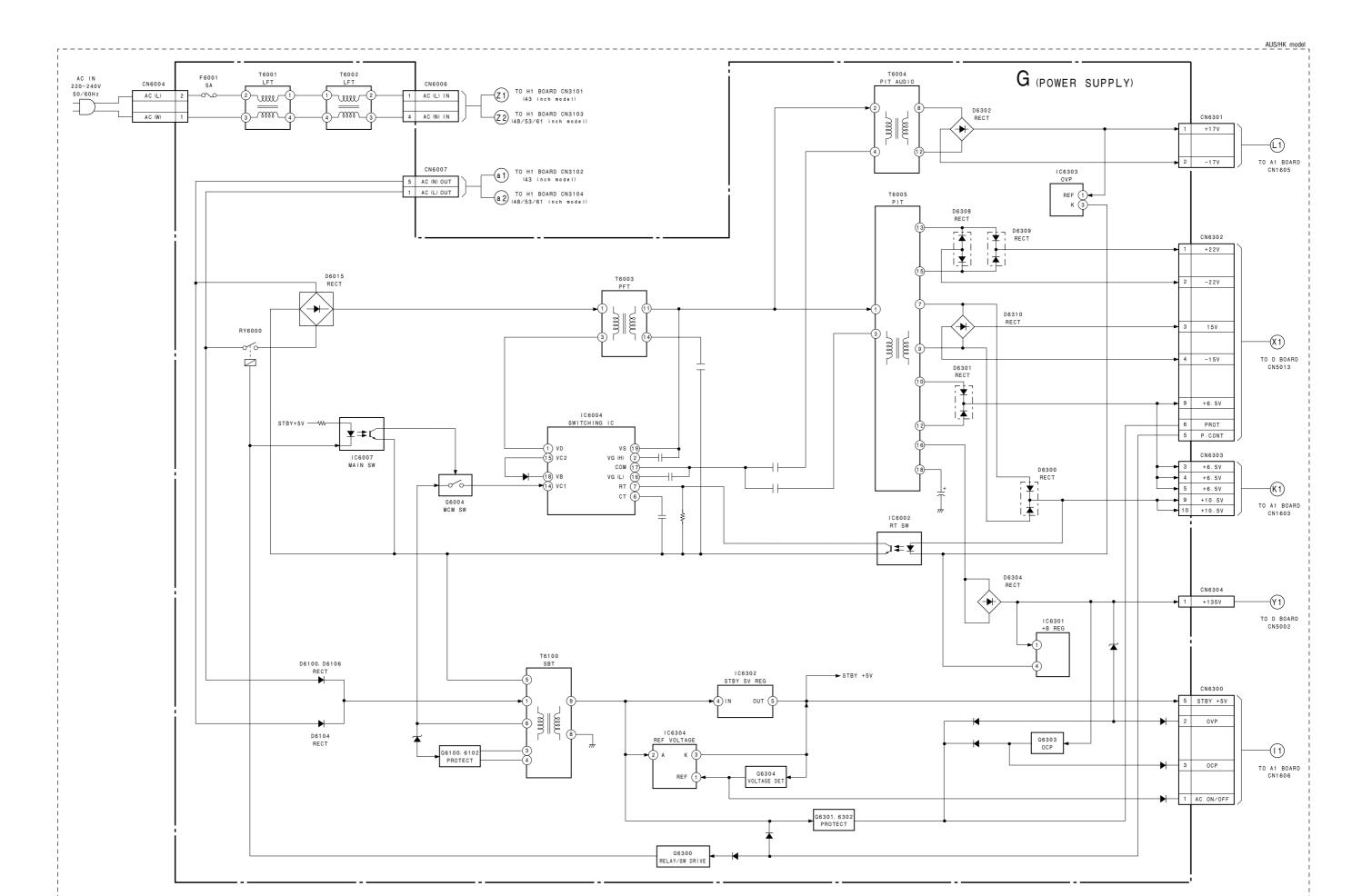


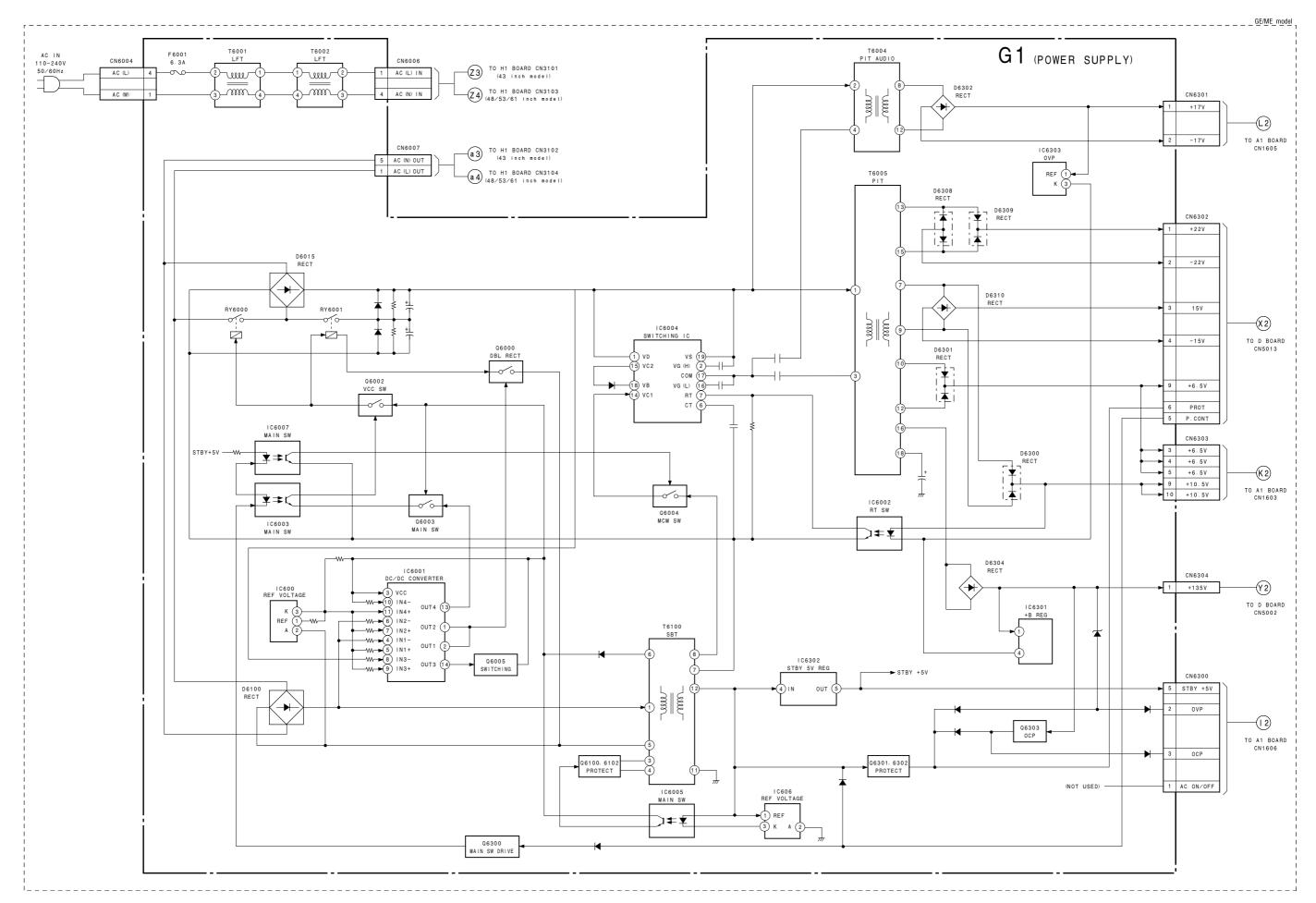


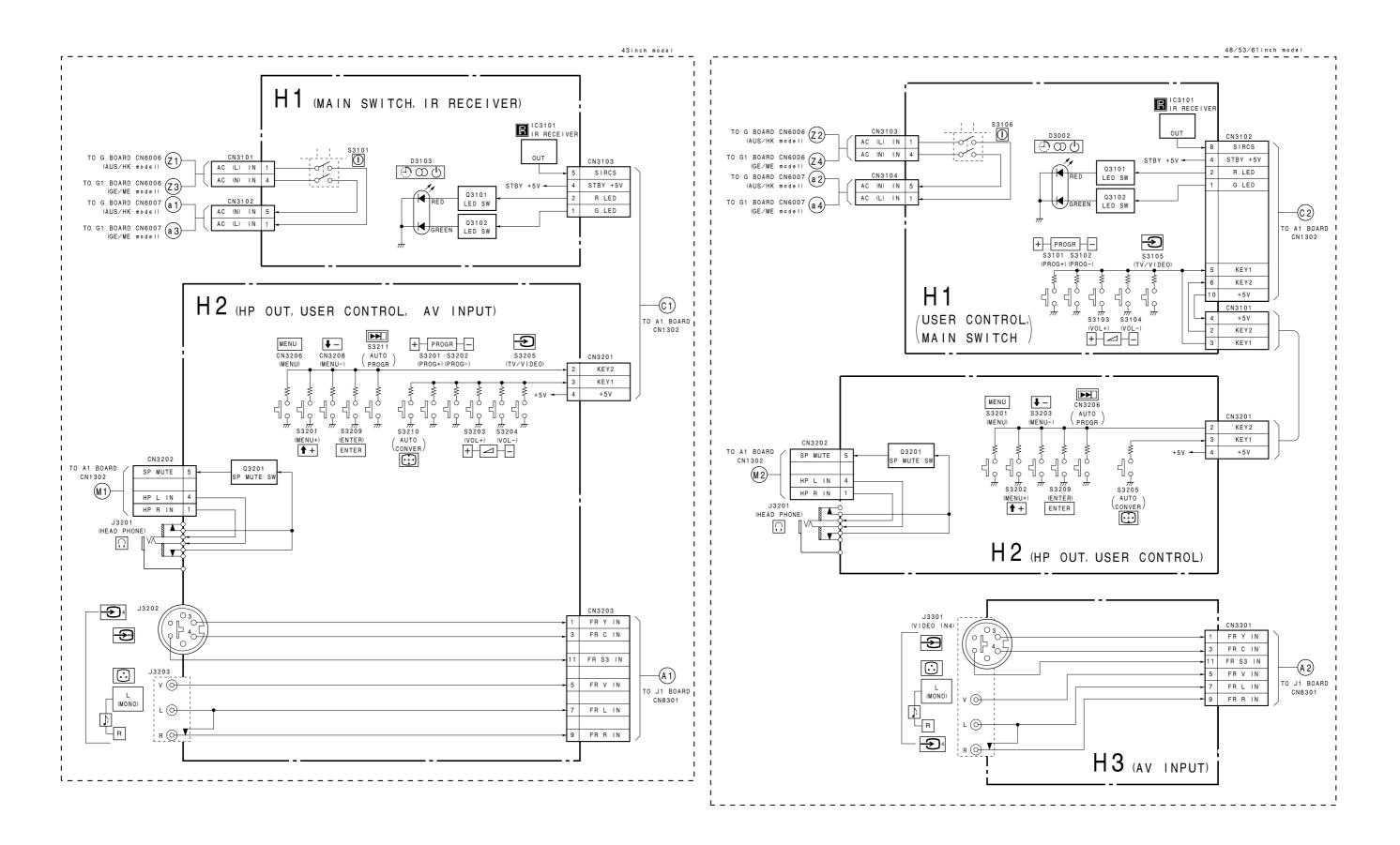
-87 - -89 -

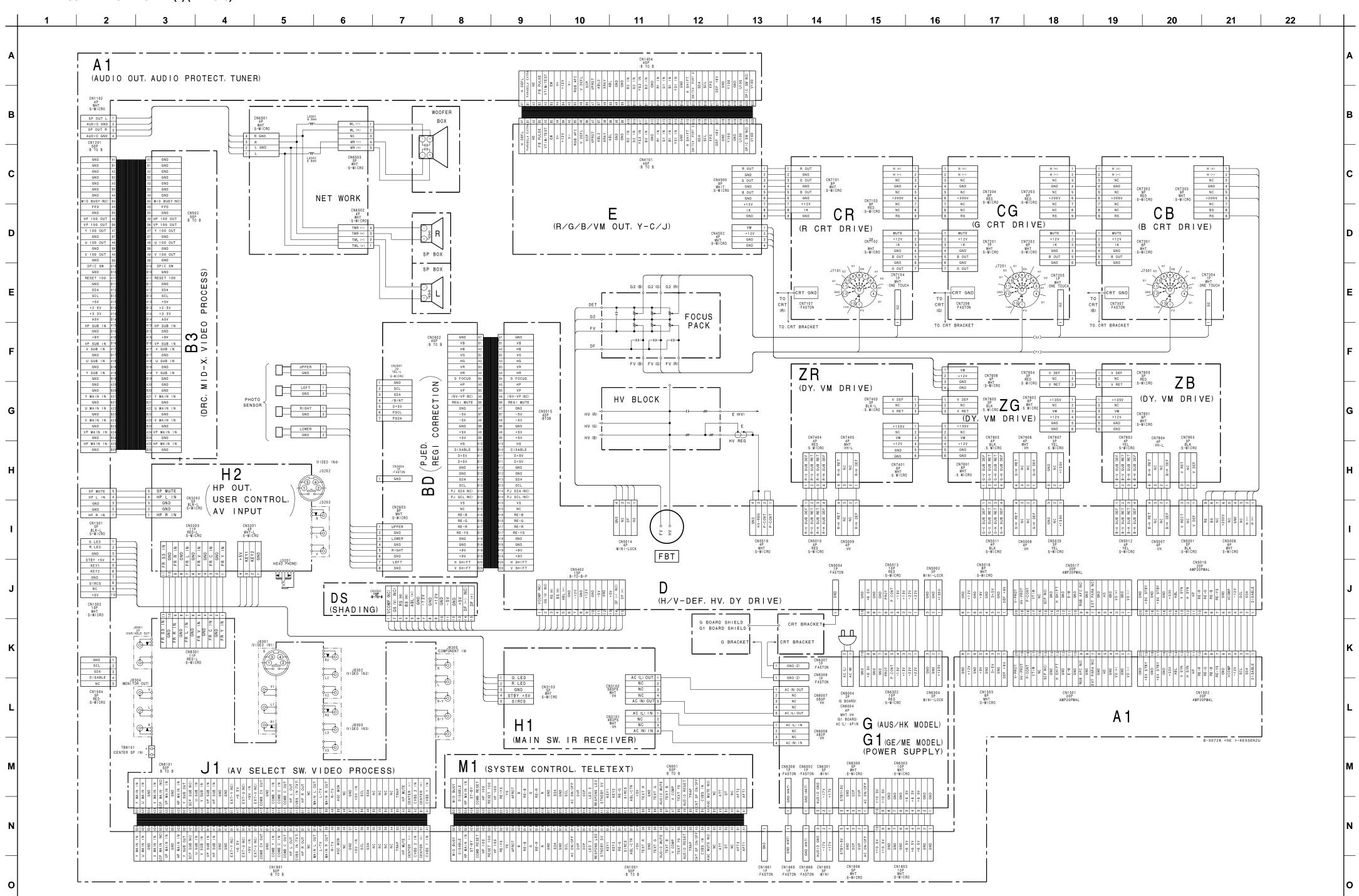


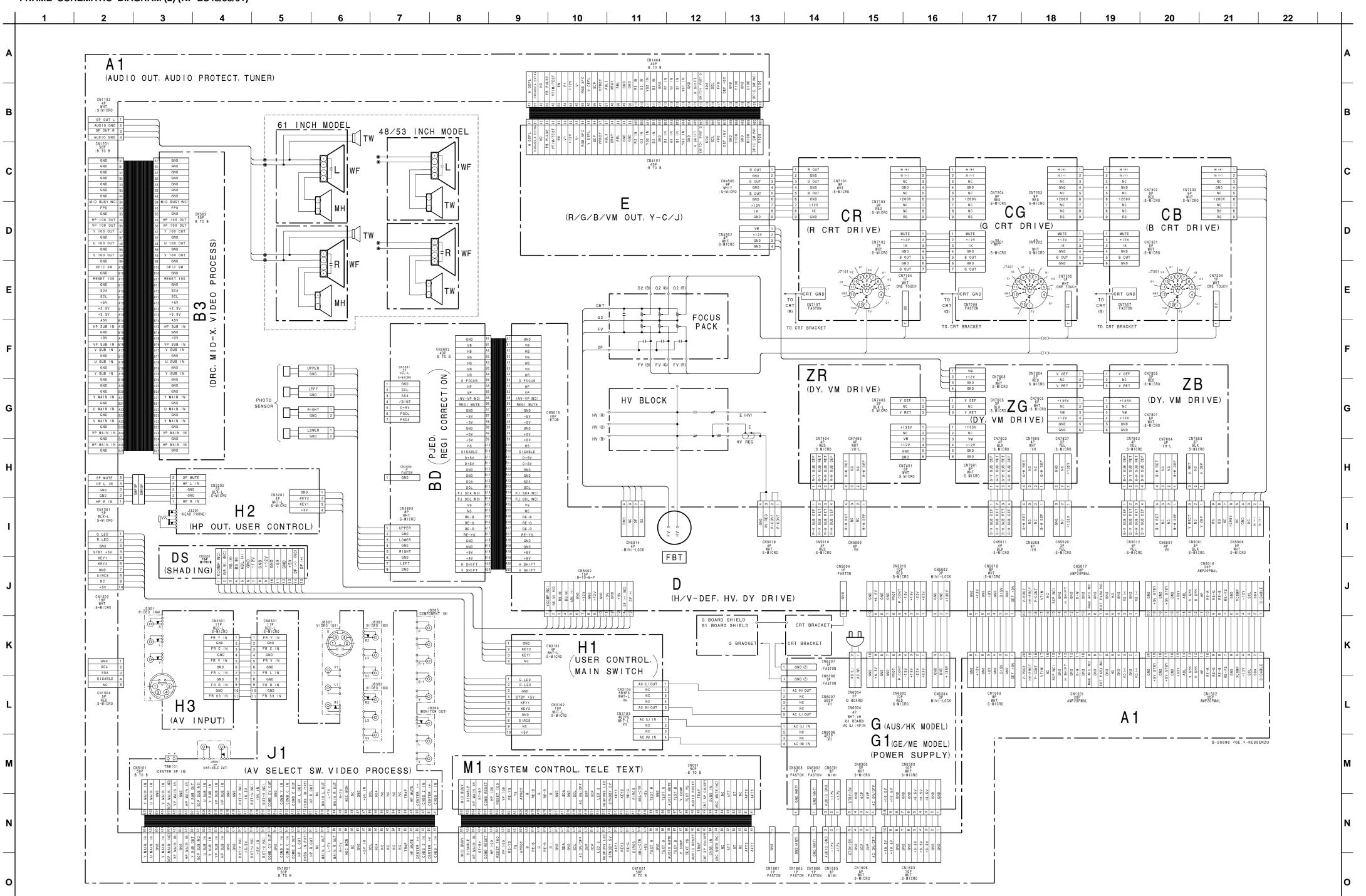










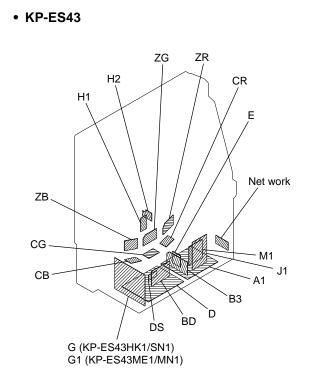


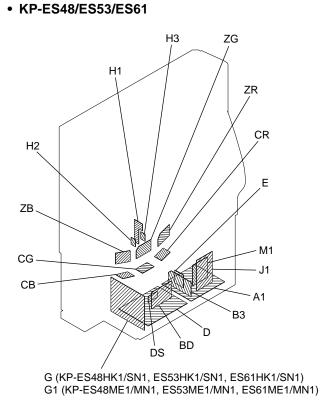
• J1 BOARD SEMICONDUCTOR LOCATION

| IC | Q8323 | D-2 | | 2 | Q8601 | C-1 | | 2 | D8307 D8308 | | B-2 C-2 | 3 |
|----------------------------|----------------|-----|------------|--------|----------------|-------------|---------------|----------|----------------|-----------|-------------|----------|
| (Component) (Conductor) | Q8324 Q8326 | D-2 | D-2 | ② ① | Q8602 Q8603 | C-1 C-1 | | ② ② | D8309 | | B-2 | 3 |
| \ Side / \ Side / | Q8327 | | D-2 D-2 | ① | Q8604 | C-1 C-1 | | 2 | D8310 | | B-2 | 3 |
| IC8302 A-1 | Q8328 | | D-2 D-2 | ① | Q8605 | C-1 | | 2 | D8311 | | B-2 | 3 |
| IC8304 C-2 | Q8332 | D-2 | D-2 | 2 | Q8606 | C-2 | | 2 | D8312 | | A-2 | 3 |
| IC8305 C-1 | Q8338 | D-2 | D-2 | 1 | Q8607 | C-2 | | 2 | D8313 | | A-2 | 3 |
| IC8306 C-1 | Q8340 | D-1 | D-2 | 2 | Q8801 | C-2 | | 2 | D8314 | | A-2 | 3 |
| IC8308 C-2 | Q8401 | D-1 | C-1 | 1 | Q8802 | C-2 | | 2 | D8315 | | B-2 | <u>4</u> |
| IC8309 D-1 | Q8402 | | C-2 | ① | Q8803 | 0-2 | D-2 | ① | D8316 | | B-2 | <u>4</u> |
| IC8310 D-1 | Q8405 | | D-2 | ① | Q8804 | | D-2 D-1 | ① | D8317 | | B-2 | <u>4</u> |
| IC8311 D-1 | Q8406 | | D-2 D-2 | ① | Q8805 | D-2 | D-1 | 2 | D8318 | | B-2 | 3 |
| IC8312 E-2 | Q8407 | | D-2 | ① | Q8807 | D-2 | | 2 | D8319 | | B-2 | 3 |
| IC8801 C-2 | Q8408 | | D-2 | ① | Q8808 | D-2 | | 2 | D8320 | | A-2 | 3 |
| | Q8409 | E-1 | 02 | 2 | Q8809 | D-2 | | <u>@</u> | D8321 | | A-2 | 3 |
| TRANSISTOR | Q8410 | E-1 | | 2 | Q8810 | C-2 | | <u>②</u> | D8322 | A-2 | | 3 |
| 110 110 10 10 11 | Q8411 | E-1 | | 2 | Q8811 | C-2 | | <u>②</u> | D8323 | | A-1 | 3 |
| (Component) (Conductor) * | Q8412 | E-1 | | 2 | | | | _ | D8324 | A-2 | | 3 |
| Q8301 A-2 (1) | Q8413 | E-1 | | 2 | | | _ | | D8325 | A-2 | | 3 |
| Q8302 A-2 ① | Q8414 | E-1 | | 2 | | DIOD | E | | D8331 | | D-2 | 3 |
| Q8303 A-2 ① | Q8415 | E-1 | | 2 | | (Component) | / Conductor \ | | D8332 | | B-1 | 4 |
| Q8304 A-2 ① | Q8416 | E-1 | | _ | | Side | (Side) | * | D8333 | | B-1 | 3 |
| Q8306 A-2 ① | Q8417 | E-1 | | _ | D8101 | | A-1 | 3 | D8334 | | B-1 | 4 |
| Q8307 E-2 ② | Q8418 | E-1 | | _ | D8102 | | A-1 | 3 | D8335 | | B-2 | 4 |
| Q8308 A-2 ① | Q8419 | D-2 | | - | D8103 | | A-1 | 3 | D8336 | | B-1 | 3 |
| Q8309 A-2 ① | Q8420 | E-2 | | 2 | D8104 | | A-1 | 3 | D8337 | | D-2 | 3 |
| Q8316 D-2 ② | Q8421 | | D-1 | 1 | D8301 | | A-2 | 3 | | | | |
| Q8317 D-2 ② | Q8422 | E-2 | | 2 | D8302 | | B-2 | 3 | | CRYS' | ΤΛΙ | |
| Q8318 D-2 ② | Q8423 | | D-1 | 1 | D8303 | | B-2 | 3 | | CKIS | IAL | |
| Q8319 D-2 ② | Q8424 | E-2 | | 2 | D8304 | | B-2 | 3 | l (| Component | (Conductor) | |
| Q8321 B-1 ① | Q8425 | | D-2 | ① | D8305 | | C-2 | 3 | ۱ ,,,,,, ۱ | Side / | (Side) | 1 |
| Q8322 B-1 ① | Q8426 | | D-2 | 1 | D8306 | | B-2 | 3 | X8301 | D-1 | | 1 |
| | | | | | | | | | X8302 | D-1 | | |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

7-3. CIRCUIT BOARDS LOCATION





7-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

• The parts marked "#" on schematic diagrams are not mounted. • All capacitors are in μF unless otherwise noted. (pF: $\mu \mu F$) Capacitors without voltage indication are all 50 V.

• Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm

Rating electrical power 1/4 W (CHIP : 1/10 W)

All resistors are in ohms.

• - : nonflammable resistor.

• tusible resistor.

• <u>\(\Lambda \) : internal component.</u> • ______: panel designation, and adjustment for repair.

 All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

• \perp : earth-ground.

• ; earth-chassis. All voltages are in V.

 Readings are taken with a 10 M digital multimeter. Readings are taken with a color-bar signal input.

Voltage variations may be noted due to normal production

tolerances.

* : Can not be measured.

 NO MARK: Common • < > : SECAM

• (): NTSC 3.58 MHz

: ALR

•

☐ : Signal path.

| Reference information | | | | | | | | | | |
|-----------------------|---------|--------------------------|--|--|--|--|--|--|--|--|
| RESISTOR | : RN | METAL FILM | | | | | | | | |
| | : RC | SOLID | | | | | | | | |
| | : FPRD | NONFLAMMABLE CARBON | | | | | | | | |
| | : FUSE | NONFLAMMABLE FUSIBLE | | | | | | | | |
| | : RW | NONFLAMMABLE WIREWOUND | | | | | | | | |
| | : RS | NONFLAMMABLE METAL OXIDE | | | | | | | | |
| | : RB | NONFLAMMABLE CEMENT | | | | | | | | |
| COIL | : LF-8L | MICRO INDUCTOR | | | | | | | | |
| CAPACITOR | : TA | TANTALUM | | | | | | | | |
| | : PS | STYROL | | | | | | | | |
| | : PP | POLYPROPYLENE | | | | | | | | |
| | : PT | MYLAR | | | | | | | | |
| | : MPS | METALIZED POLYESTER | | | | | | | | |
| | : MPP | METALIZED POLYPROPYLENE | | | | | | | | |
| | : ALB | BIPOLAR | | | | | | | | |
| | : ALT | HIGH TEMPERATURE | | | | | | | | |

Note: The components identified by shading and mark $\boldsymbol{\vartriangle}$ are critical for safety. Replace only with part number specified.

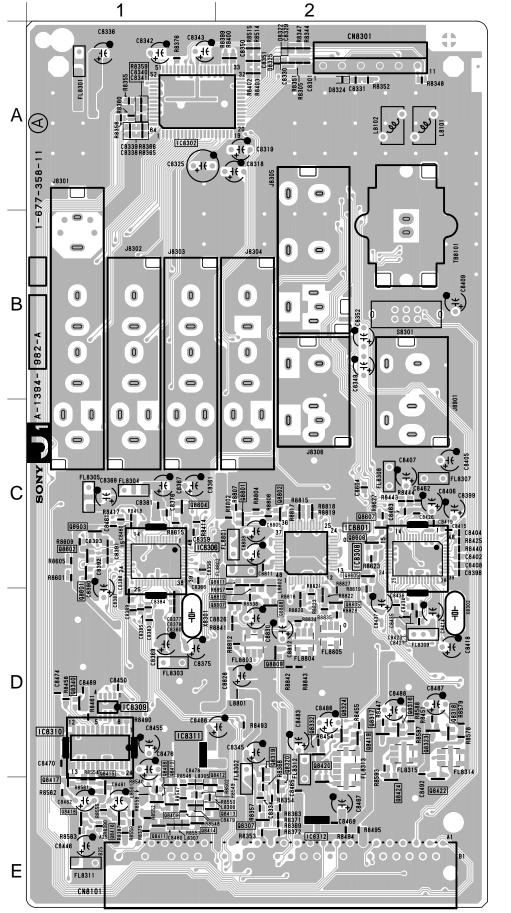
HIGH RIPPLE

Terminal name of semiconductors in silk screen printed circuit (*)

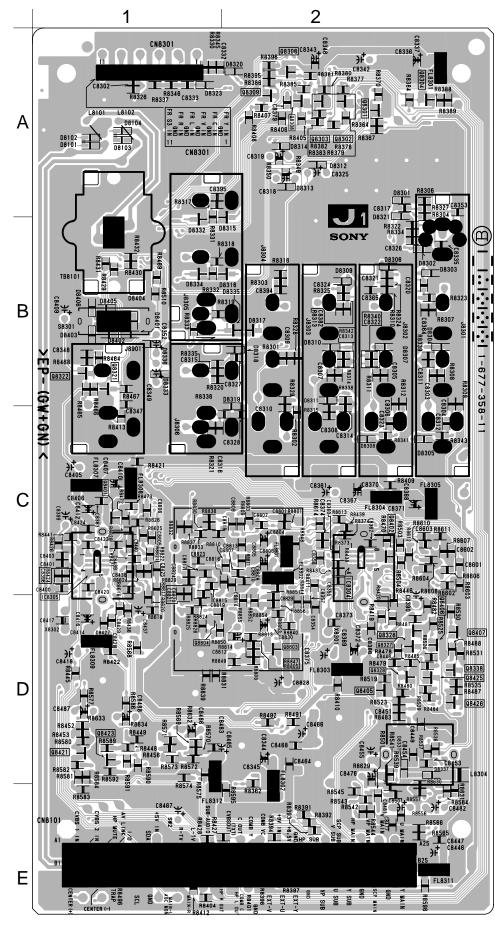
| • | | | | |
|-----|---------------------|----------------|----------------------------|----------|
| | Device | Printed symbol | Terminal name | Circuit |
| 1 | Transistor | T | Collector Base Emitter | |
| 2 | Transistor | _ | Collector Base Emitter | |
| 3 | Diode | H | Cathode - Anode | * |
| 4 | Diode | T | Cathode Anode (NC) | |
| (5) | Diode | _ | Anode (NC) | . |
| 6 | Diode | T | Common Anode Cathode | |
| 7 | Diode | | Common Anode Cathode | |
| 8 | Diode | T | Common Anode Anode | |
| 9 | Diode | | Common Anode Anode | |
| 10 | Diode | T | Common Cathode Cathode | |
| 11) | Diode | | Common Cathode Cathode | |
| 12 | Diode | | Anode Anode Cathode Anode | |
| 13 | Transistor (FET) | | Drain Source Gate | |
| 14) | Transistor (FET) | F | Drain Source Gate | so so |
| 15) | Transistor (FET) | | □ Source □ Drain □ Gate | |
| 16 | Transistor | | ☐ Emitter☐ Collector☐ Base | |
| _ | Discrete se | miconductot | | |

(Chip semiconductors that are not actually used are included.)

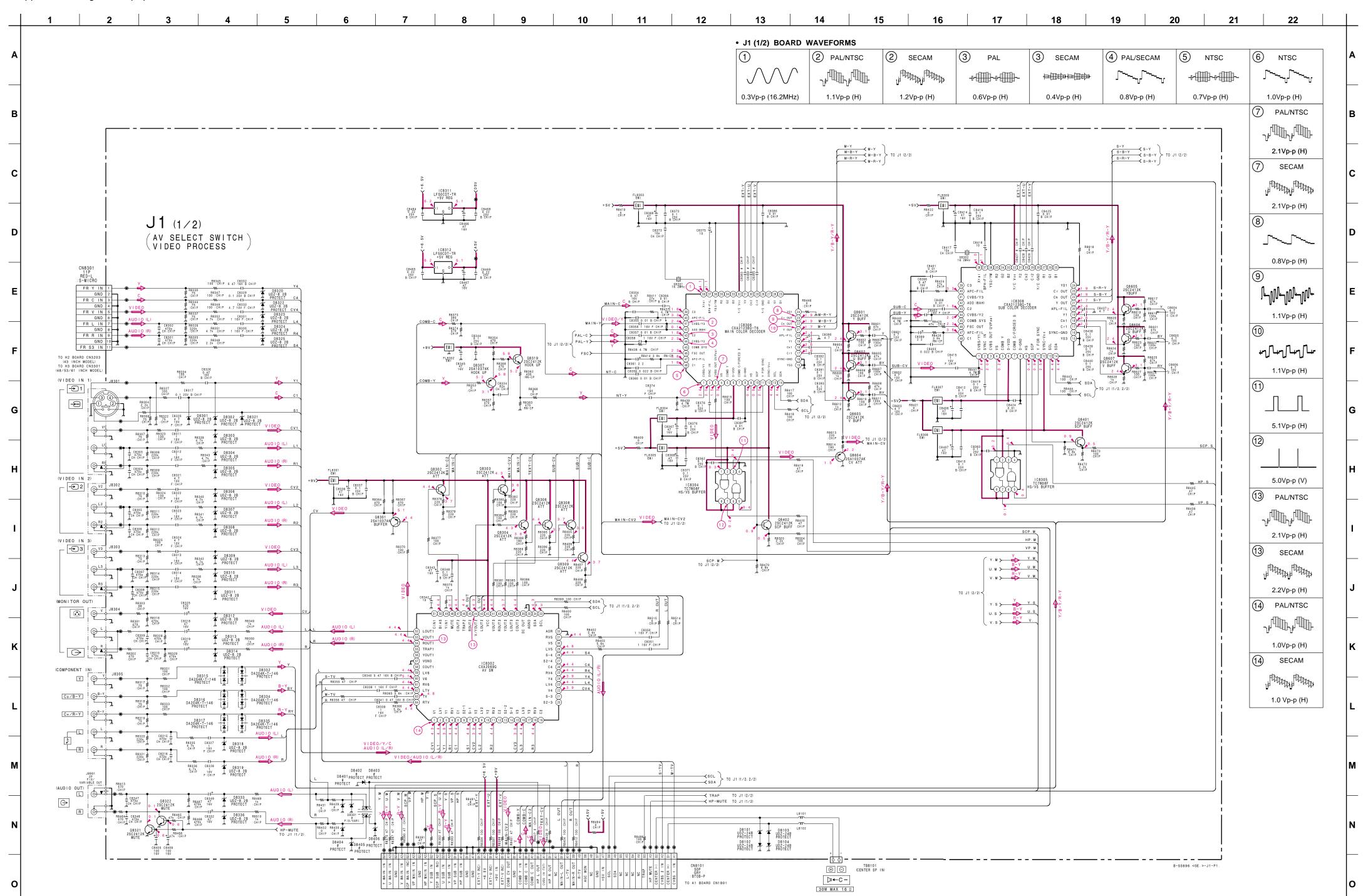
- J1 Board - (Component Side)

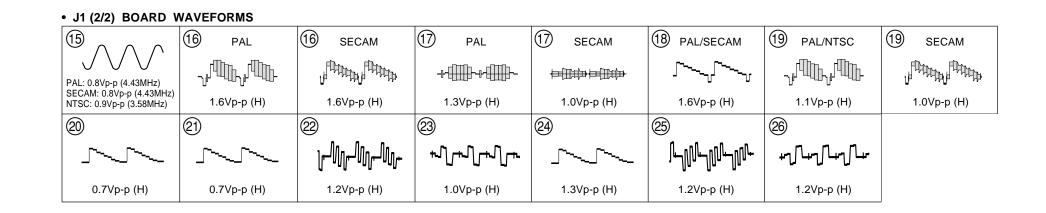


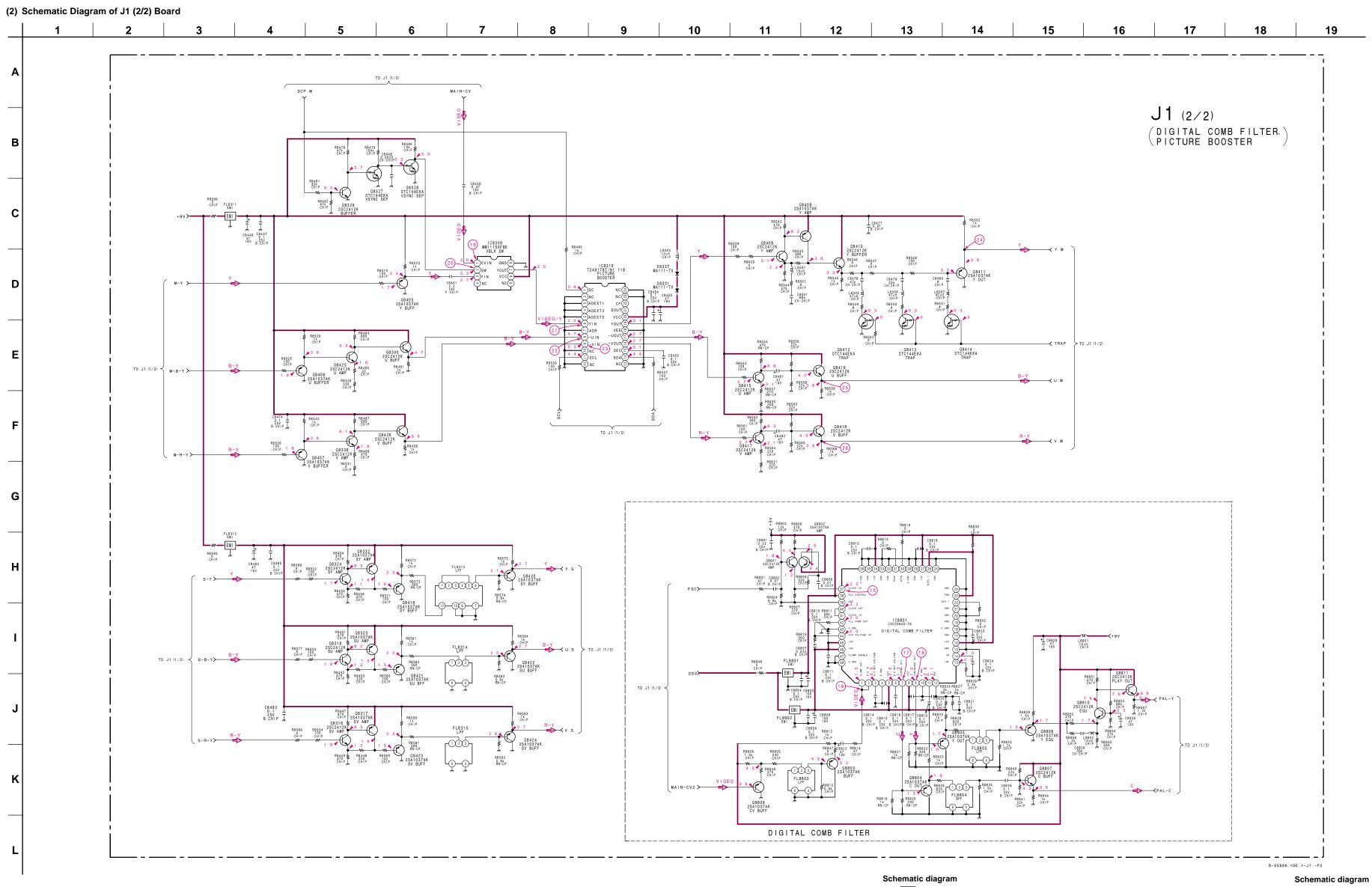
(Conductor Side)

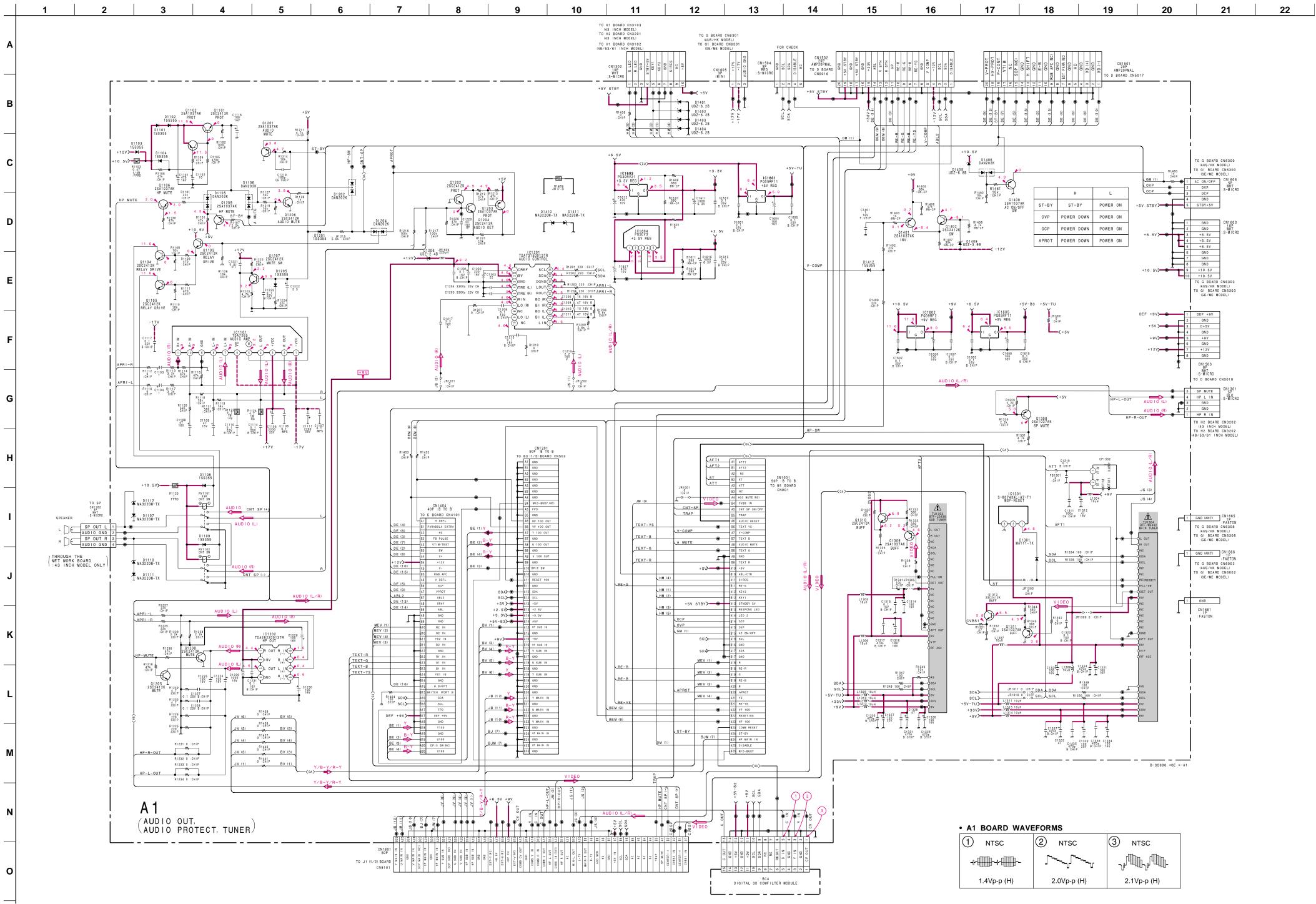


Schematic diagram J_1 (1/2) board \Longrightarrow







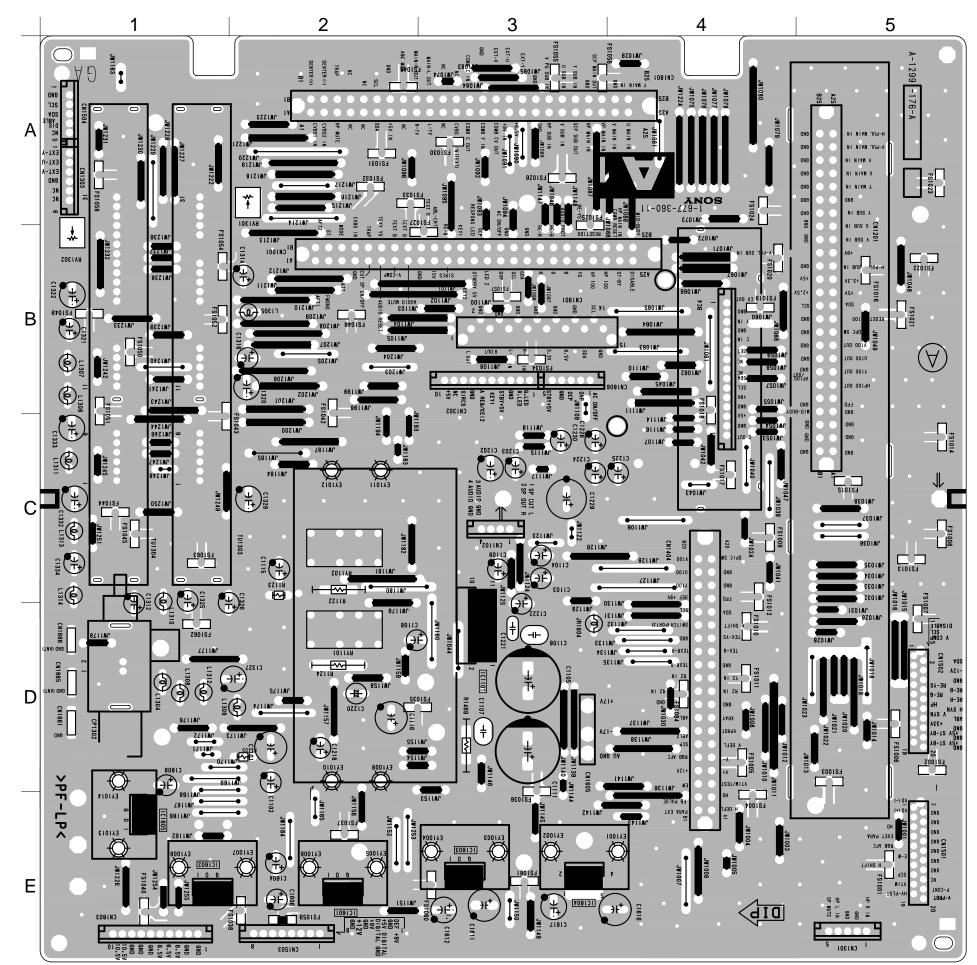




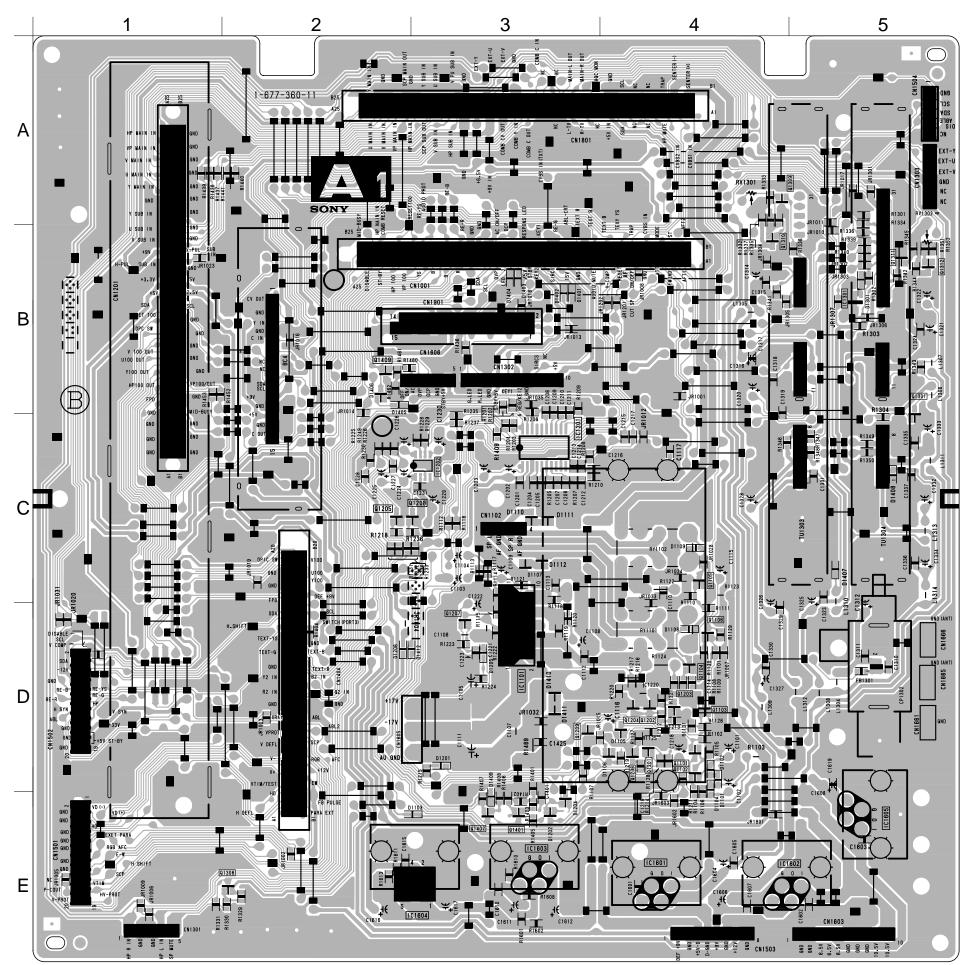
| IC | Q1202 Q1203 | D-4 D-4 | ① ① | D1105 D1106 | D-4 D-4 | 4 4 |
|-------------------------|-----------------|------------|--------|----------------|------------|----------------------|
| (Component) (Conductor) | Q1203 | D-4 D-4 | ① | D1106 D1107 | C-3 | 4 |
| (Side) (Side) | Q1204 Q1205 | C-2 | ① | D1107 D1108 | D-4 | 3 |
| IC1101 D-3 | | D-4 | _ | D1100 D1109 | C-4 | 3 |
| IC1201 C-3 | Q1206 | | ① | | | |
| IC1202 C-3 | Q1207 | D-3 | ① | D1110 | C-3 | 4 |
| IC1301 B-5 | Q1208 | C-3 | ① | D1111 | C-3 | 4 |
| IC1601 E-2 E-4 | Q1209 | D-3 | ① | D1112 | C-3 | 4 |
| IC1602 E-1 E-4 | Q1308 | E-2 | ① | D1201 | D-3 | 3 |
| IC1603 E-3 E-3 | Q1309 | A-4 | ① | D1202 | E-3 | 4 |
| IC1604 E-4 E-3 | Q1310 | B-4 | ① | D1204 | E-3 | 4 |
| IC1605 E-1 E-5 | Q1311 | B-5 | ① | D1205 | D-3 | 3 |
| | Q1312 | B-5 | ① | D1206 | D-2 | 3 |
| | Q1401 | E-3 | 1 | D1301 | B-5 | 3 |
| TRANSISTOR | Q1402 | E-3 | 1 | D1401 | B-3 | 3 |
| | Q1409 | B-2 | 1 | D1402 | B-3 | 3 |
| (Component) (Conductor) | | | | D1403 | B-3 | 3 |
| Q1101 D-4 ① | | | | D1404 | B-3 | 3 |
| Q1102 D-4 ① | DIC | DDE | | D1405 | B-2 | 3 |
| Q1102 D-4 ① | 10 | | | D1406 | B-2 | 4 |
| Q1103 D-4 (I) | (Compoi Side | |) * | D1409 | E-3 | 3 |
| Q1104 D-4 (1) | D1101 | D-4 | 3 | D1410 | D-3 | 3 |
| | D1102 | D-4 | 3 | D1411 | D-3 | 3 |
| Q1106 D-4 ① | D1104 | D-4 | 3 | D1412 | D-2 | 3 |
| Q1201 D-4 ① | 51107 | Д 4 | ٠ | DITIZ | D-2 | ا |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

A1 Board – (Component Side)



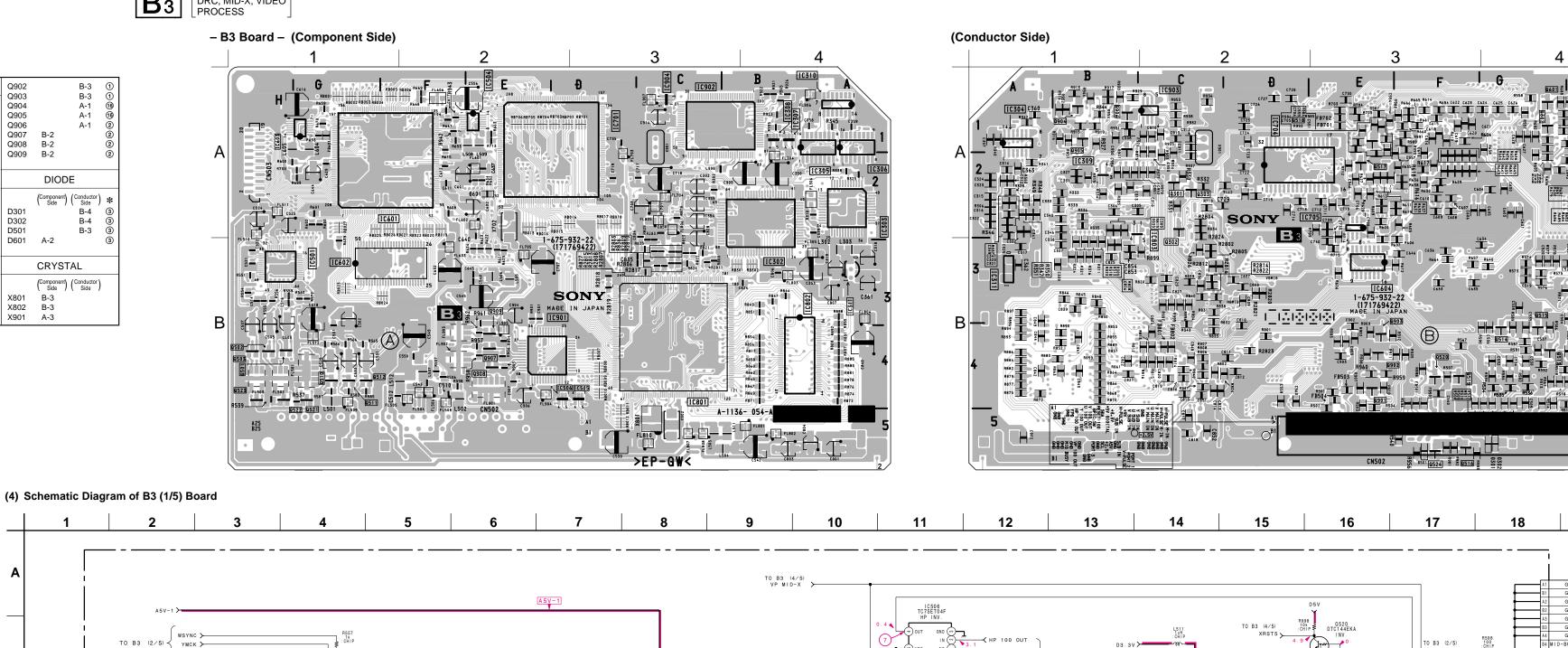
(Conductor Side)

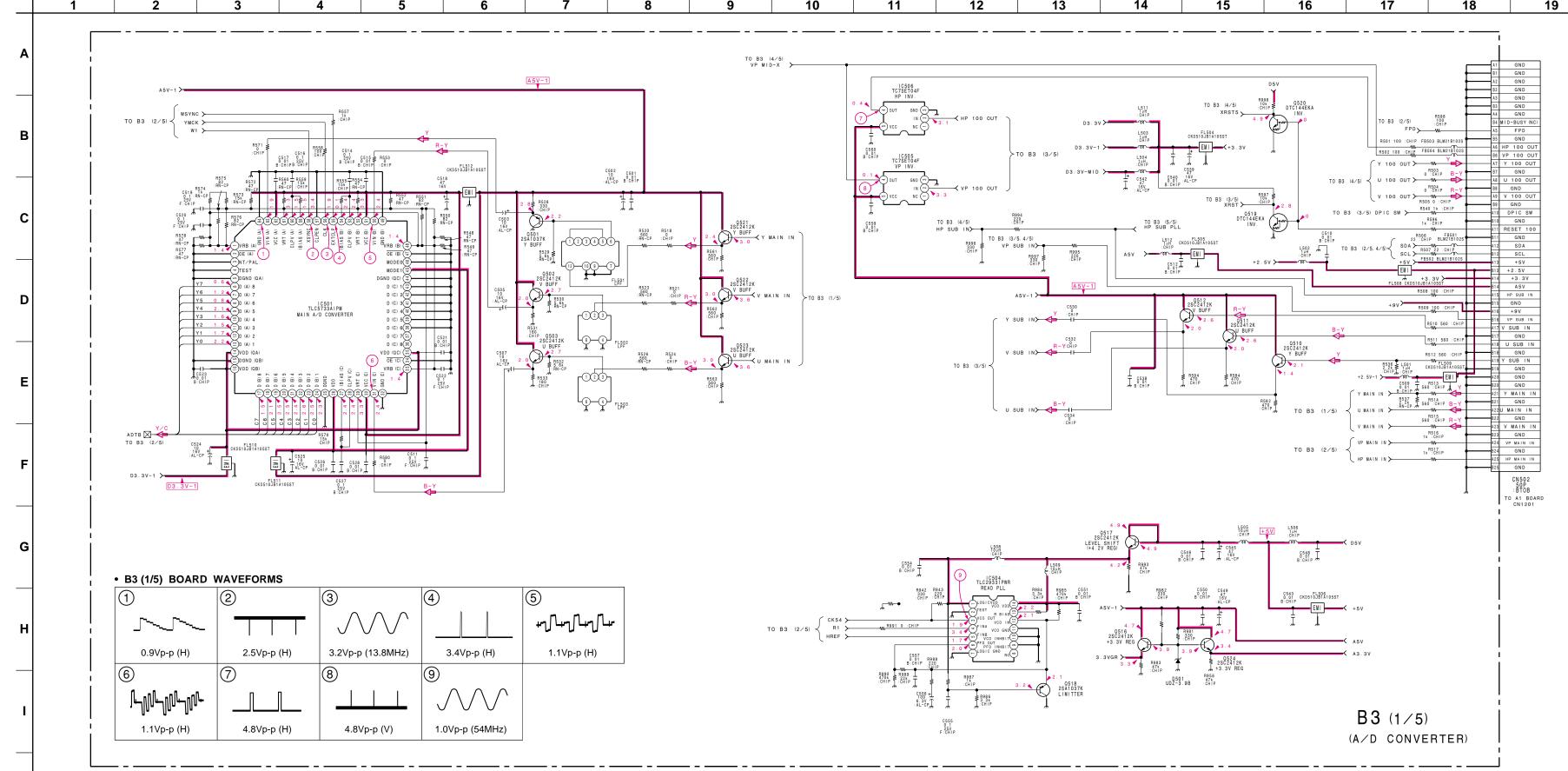


B3 BOARD SEMICONDUCTOR LOCATION

| B3 BOARD SEMICONDUCTOR LOCATION | | | | | | | | | | | |
|--|-------------------------------------|------------------------------------|--|---|---|--|--|--|----------------------------------|---------------|--|
| IC | | | Т | TRANSISTOR | | | | | B-3 | 1 | |
| IC302 IC303 IC309 IC311 IC501 IC504 | (Component Side A-4 A-4 B-4 B-1 A-2 | (Conductor Side) A-1 B-1 | Q301 Q302 Q303 Q501 Q502 Q503 | (Component Side B-1 B-1 B-1 | (Conductor Side A-2 A-2 A-2 | © © © © © © * | Q903 Q904 Q905 Q906 Q907 Q908 Q909 | B-2 B-2 B-2 | B-3 A-1 A-1 A-1 | 166222 | |
| IC505 IC506 IC601 IC602 IC603 IC604 | B-3 B-2 A-1 B-1 A-1 | B-3 | Q510 Q511 Q512 Q516 Q517 Q518 | B-1 B-1 B-1 | B-3 A-3 A-3 | @ @ @ 🗇 🗇 | D301 D302 | Component Side | (Conductor Side B-4 B-4 |) * 3 3 | |
| IC801 IC802 IC803 IC901 IC902 | B-3 B-4 B-2 A-3 | A-2 | Q519 Q520 Q521 Q522 Q523 | B-1 B-1 B-1 | B-3 B-3 | 1 1 2 2 | D501 D601 | A-2 | B-3 AL | 3 3 | |
| IC903 IC904 | A-3 | A-2 | Q524 Q601 Q602 Q901 | 21 | B-3 A-4 A-4 B-3 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | X801 X802 X901 | (Component) Side B-3 B-3 A-3 | (Conductor Side |) | |

^{*:} Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

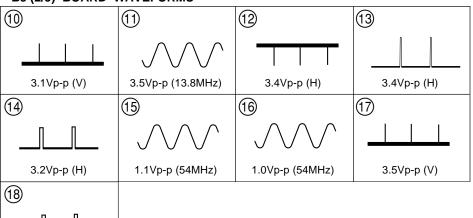


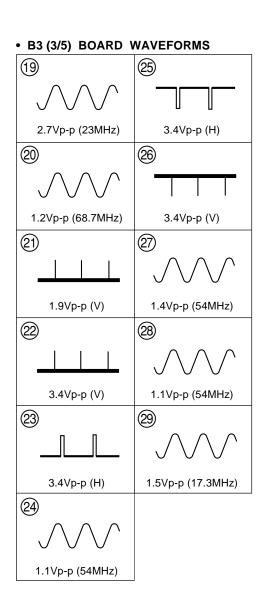


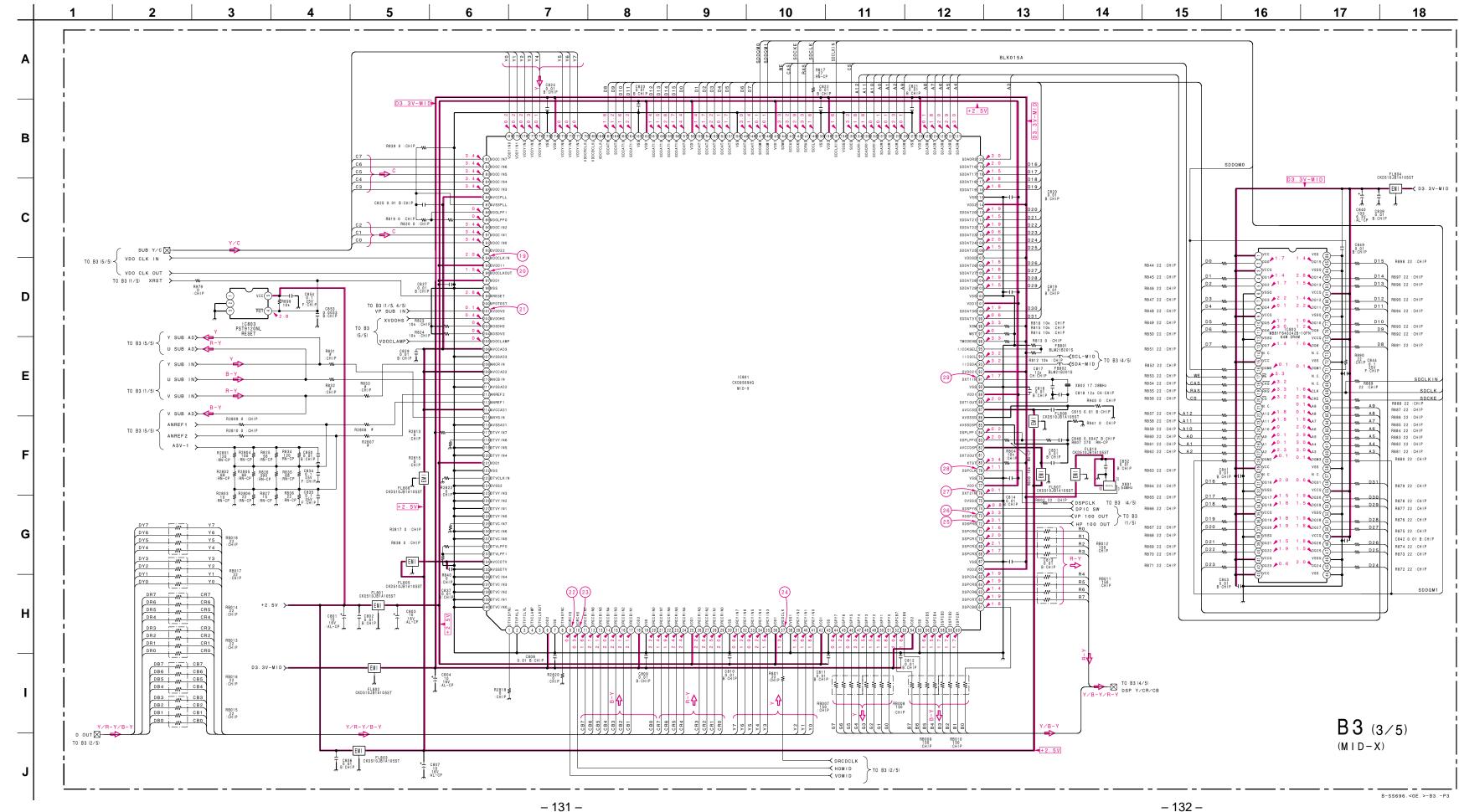
(5) Schematic Diagram of B3 (2/5) Board 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 C639 L604 C638 0.01 10µH 0.01 B:CHIP :CHIP B:CHIP C637 CKD515L601 10 0.01 CKD515JB1A105ST 16V B:CHIP :AL-CP R602 10k : CHIP R603 10k : CHIP Y/R-Y/B-Y T0 B3 (3/5) D OUT DSY8 W DY6 DSB5 | W DB3 | DSB4 | W DB2 | DSB3 | W DB1 | DSB2 | W DB0 | ≺ T0 B3 (2/5) C540 TO B3 (1/5, 4/5) { SDA > SCL > D3.3V-1 B3 (2/5) B-SS696. <GE. >-B3. -P2 **– 127 – –** 128 **–**



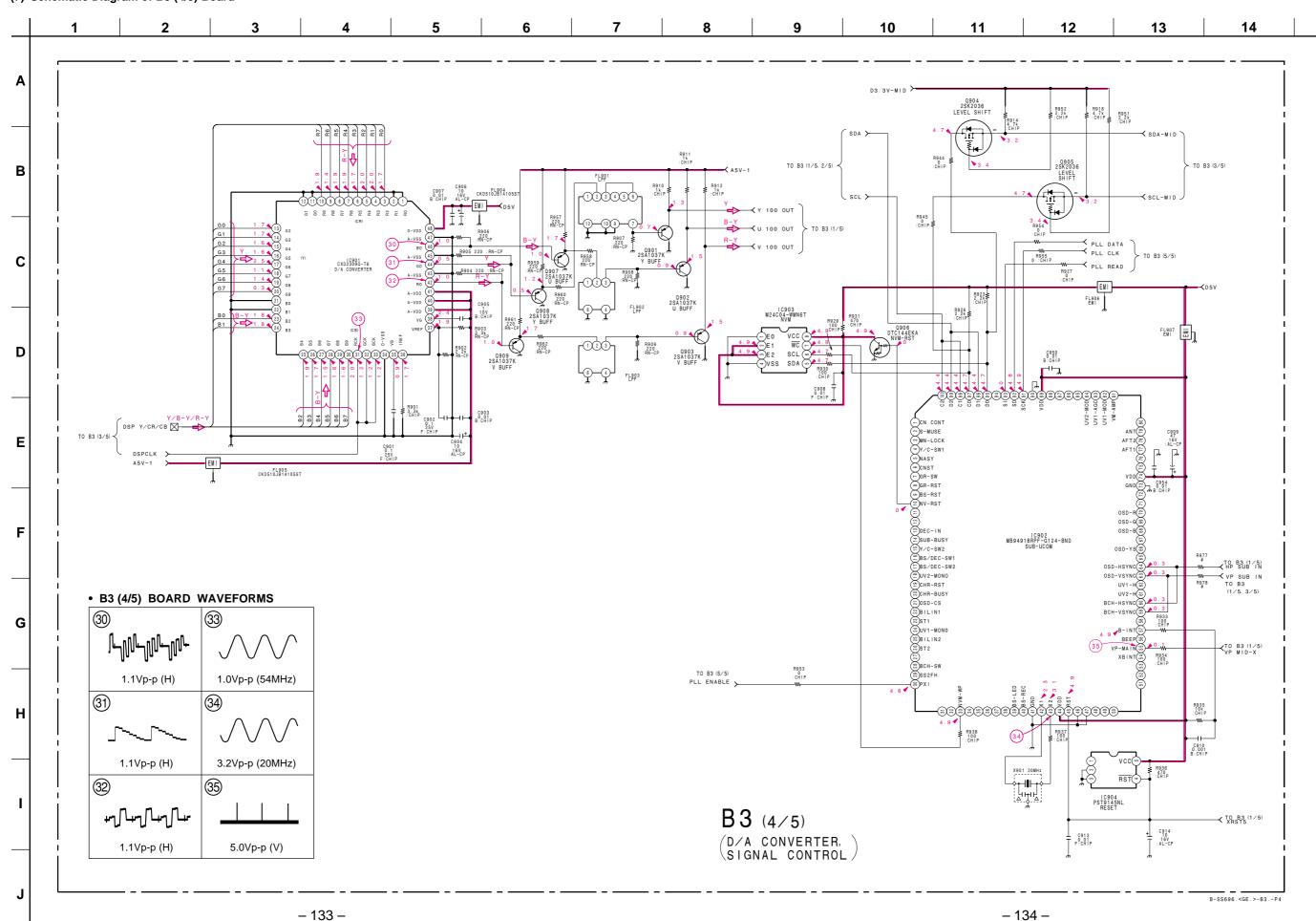
3.4Vp-p (H)

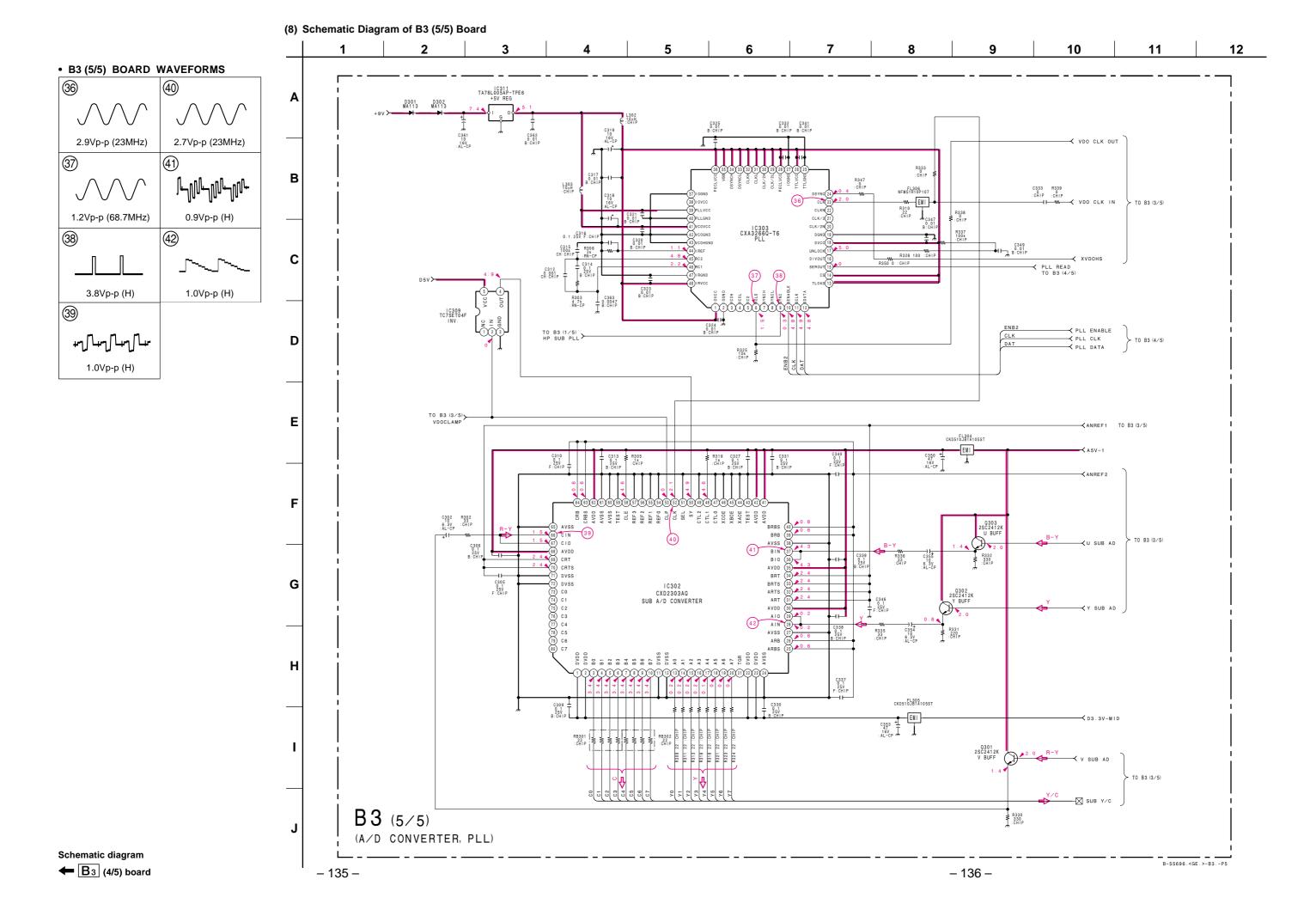


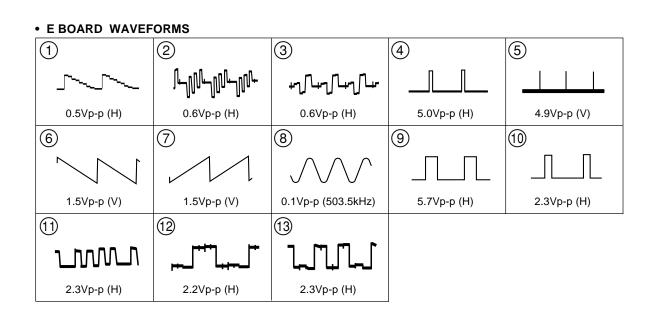




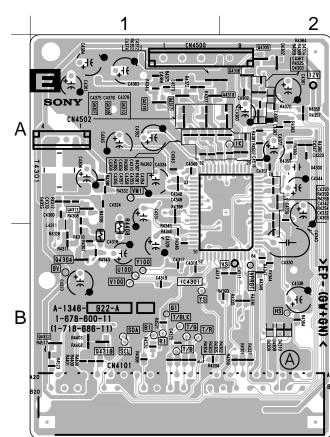
(6) Schematic Diagram of B3 (3/5) Board



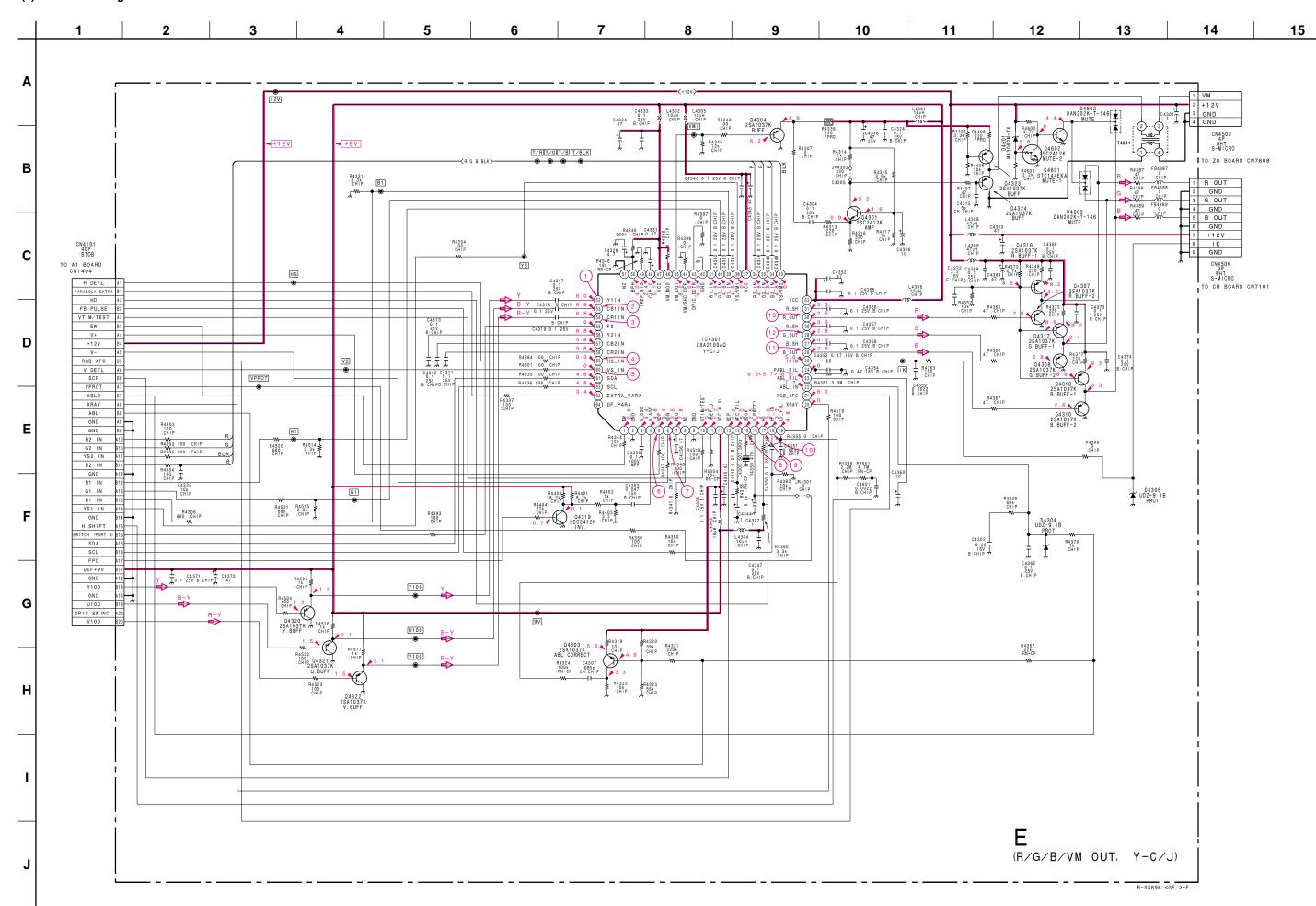




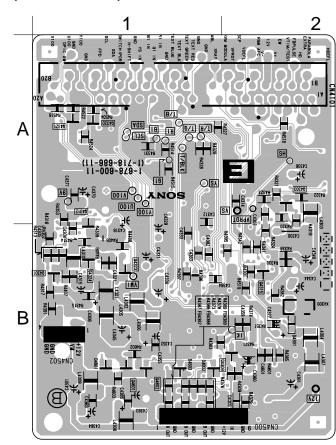
– E Board – (Component Side)



(9) Schematic Diagram of E Board



(Conductor Side)



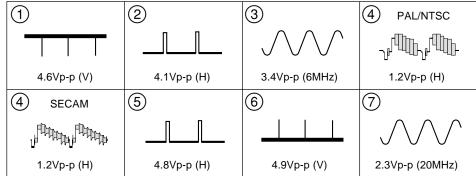
• E BOARD SEMICONDUCTOR LOCATION

| IC | Q4322 B-1 ② |
|--|---|
| (Component) (Conductor) Side (Side) | Q4323 B-1 ① Q4324 B-1 ① Q4601 B-1 ① Q4602 B-1 ① |
| TRANSISTOR | DIODE |
| Component (Conductor) side Conductor) side Q4301 B-1 ① Q4303 A-2 ① Q4304 B-1 ② Q4307 A-1 ② Q4308 A-1 ② Q4310 A-2 ② Q4316 A-1 ② | Component Side Conductor Side D4304 A-2 3 D4305 B-2 3 D4601 B-1 4 D4602 B-1 4 D4603 B-1 4 |
| Q4317 A-1 ② Q4318 A-1 ② | CRYSTAL |
| Q4319 B-1 ② Q4320 A-1 ① Q4321 A-1 ① | (Component) (Conductor) Side Side B-2 |

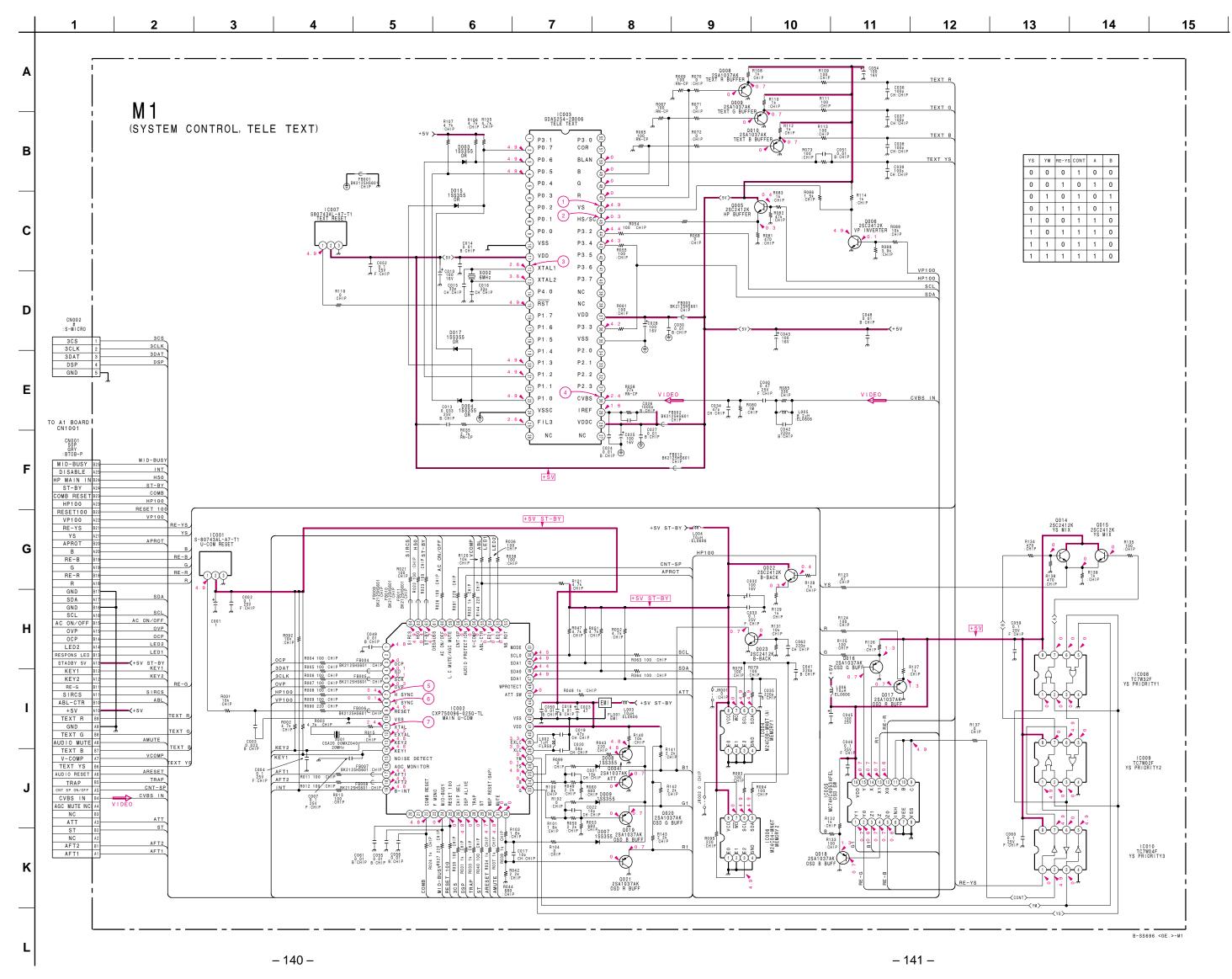
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)



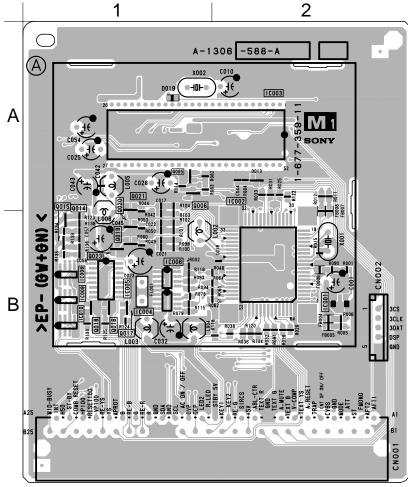




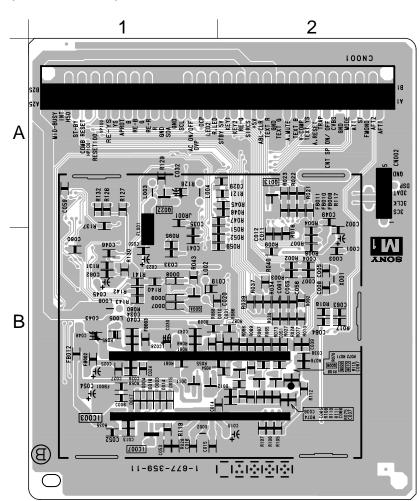
(10) Schematic Diagram of M1 Board



- M1 Board - (Component Side)



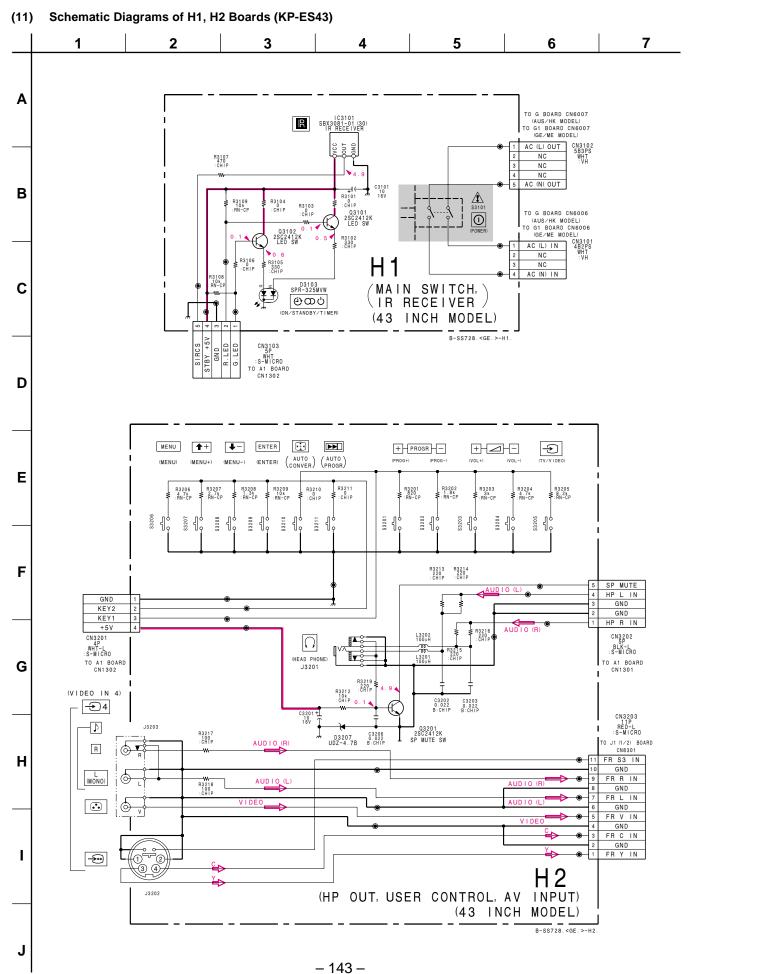
(Conductor Side)

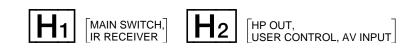


M1 BOARD SEMICONDUCTOR LOCATION

| IC | Т | RANSIS | TOR | DIODE | | | | |
|---|--------------------------------------|--------------------------------|---------------------|--|------------------------------|---------------------|---------------------------------|-------|
| (Component) (Conductor) IC001 B-2 IC002 B-2 IC003 A-1 B-1 IC004 B-1 | Q004 Q005 Q006 Q008 | (Component) Side A-1 A-1 | (Conductor Side B-2 | * () () () | D003 D004 D007 D008 | (Component) Side | (Conductor Side A-2 A-2 A-2 A-2 | ©©©©* |
| IC005 B-1 IC006 B-1 IC007 B-1 IC008 B-1 | Q009 Q010 Q014 Q015 | B-1 B-1 | B-2 B-2 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | D009 D015 D017 | | A-2 A-2 A-2 | 333 |
| IC009 B-1 IC010 B-1 | Q016 Q017 Q018 | B-1 B-1 | | @@@ | | CRYST (Component) | /Conductor \ | |
| | Q019 Q020 Q021 Q022 Q023 | B-1 B-1 A-1 B-1 | A-1 | 0 0 0 - 0 | X001 X002 | B-2 A-1 | \ Side / | |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)





Terminal name of semiconductors in silk screen printed circuit (*)

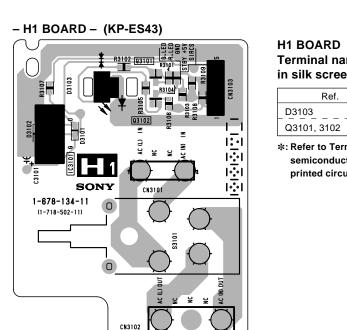
7

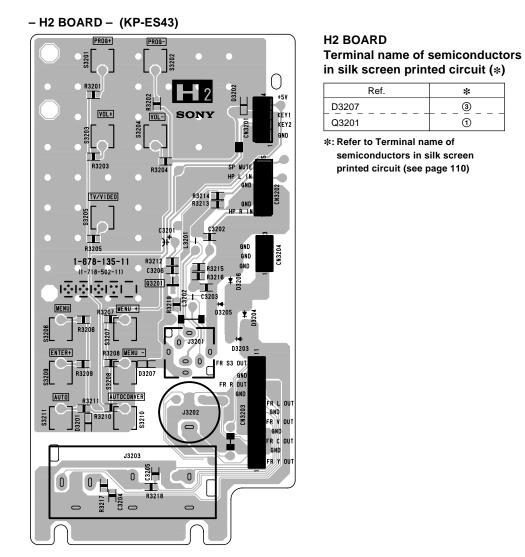
semiconductors in silk screen

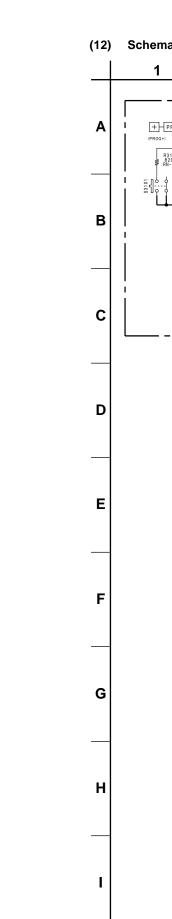
printed circuit (see page 110)

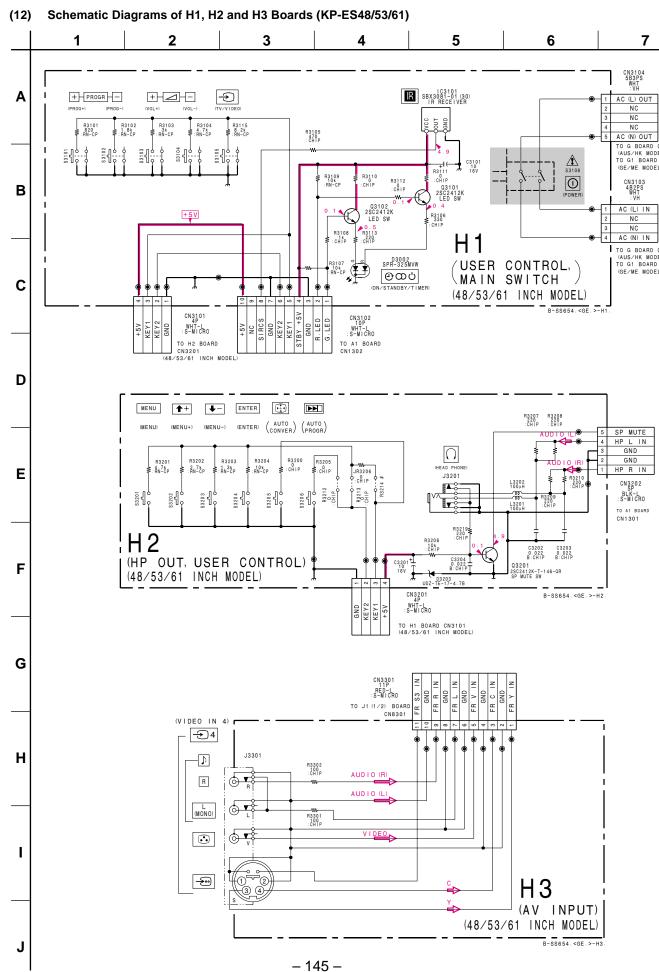
Q3101, 3102

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)









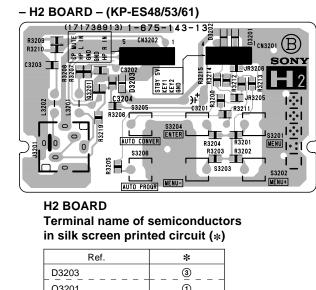


- H1 BOARD - (KP-ES48/53/61)

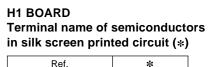


H1 [USER CONTROL, MAIN SWITCH] H2 [HP OUT, USER CONTROL]





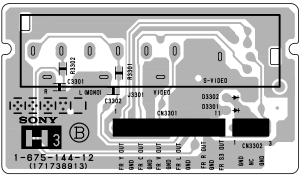
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

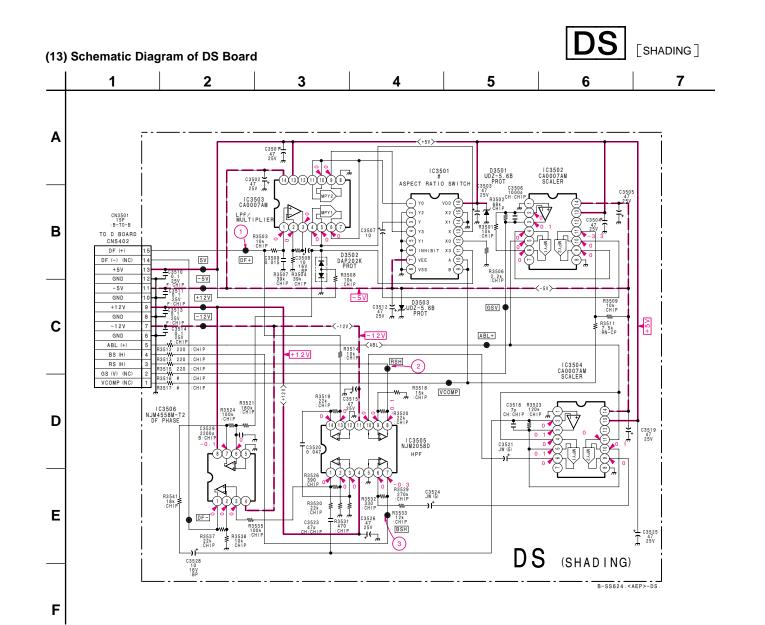


| * |
|---|
| ① |
| |

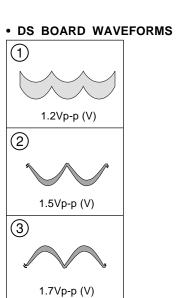
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

- H3 BOARD - (KP-ES48/53/61)





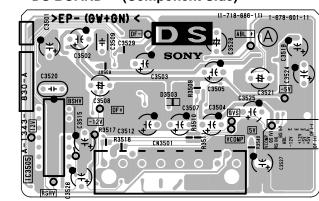
– 147 –

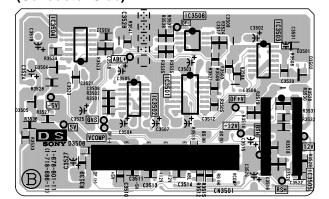


- DS BOARD - (Component Side)

Schematic diagrams

← H₁ H₂ H₃ boards



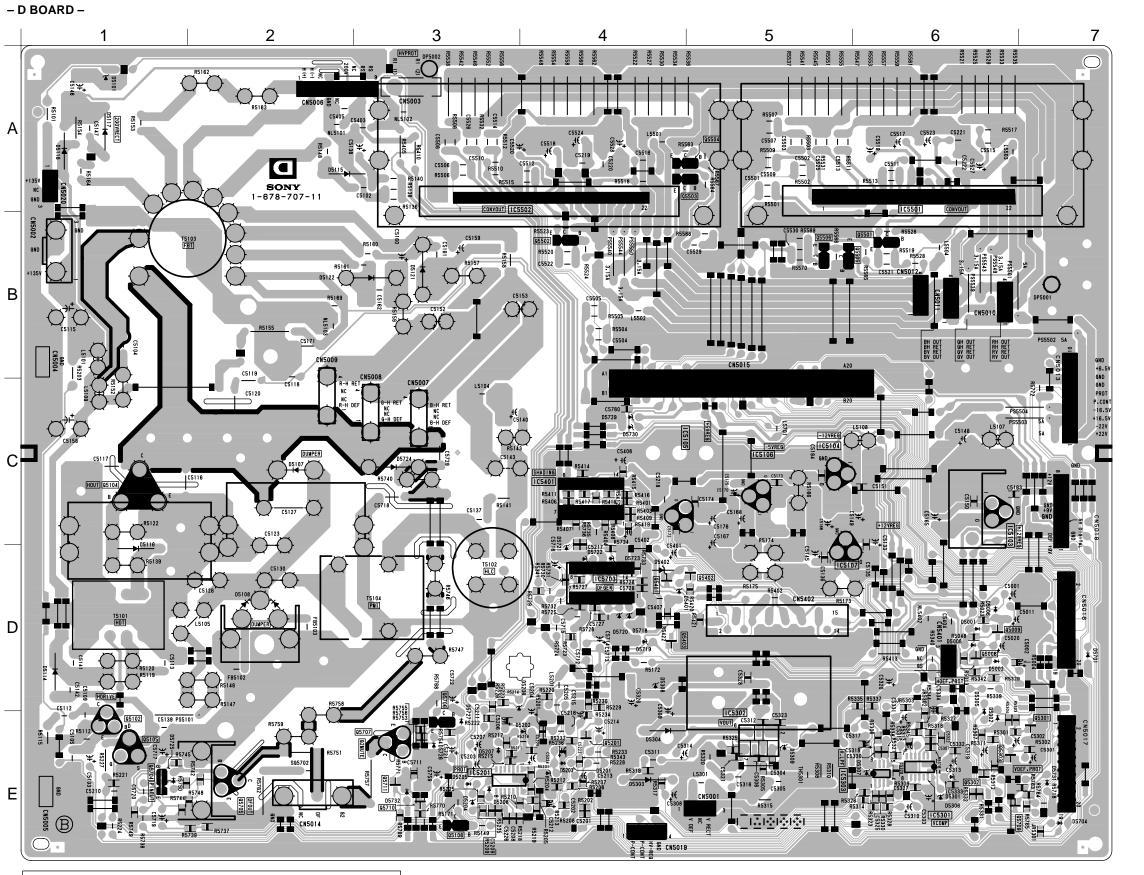


DS BOARD Terminal name of semiconductors in silk screen printed circuit (*)

| Ref. | * |
|--------------|----|
| D3501, D3503 | 3 |
| D3502 | 10 |

^{*:} Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)





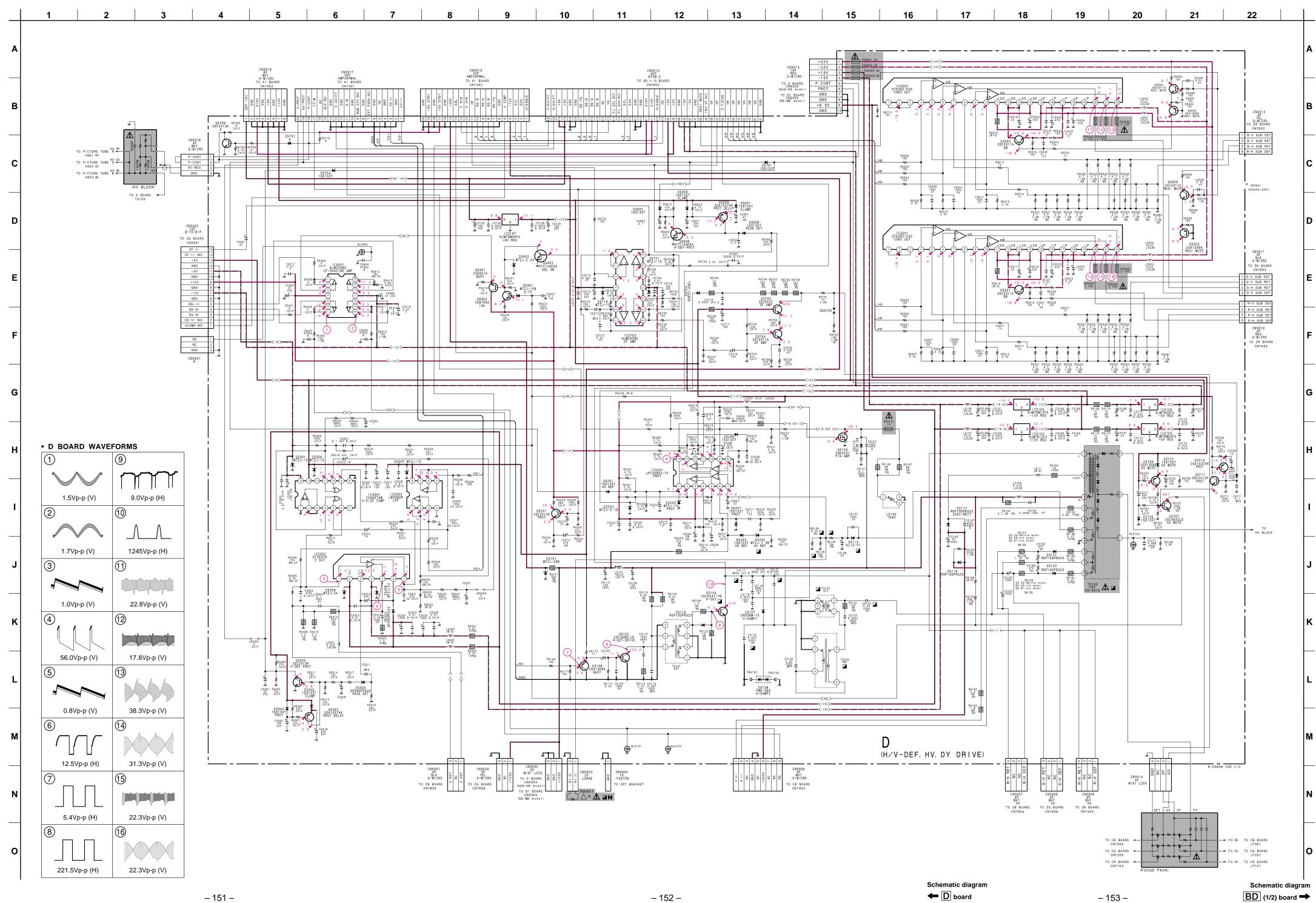
D BOARD SEMICONDUCTOR LOCATION

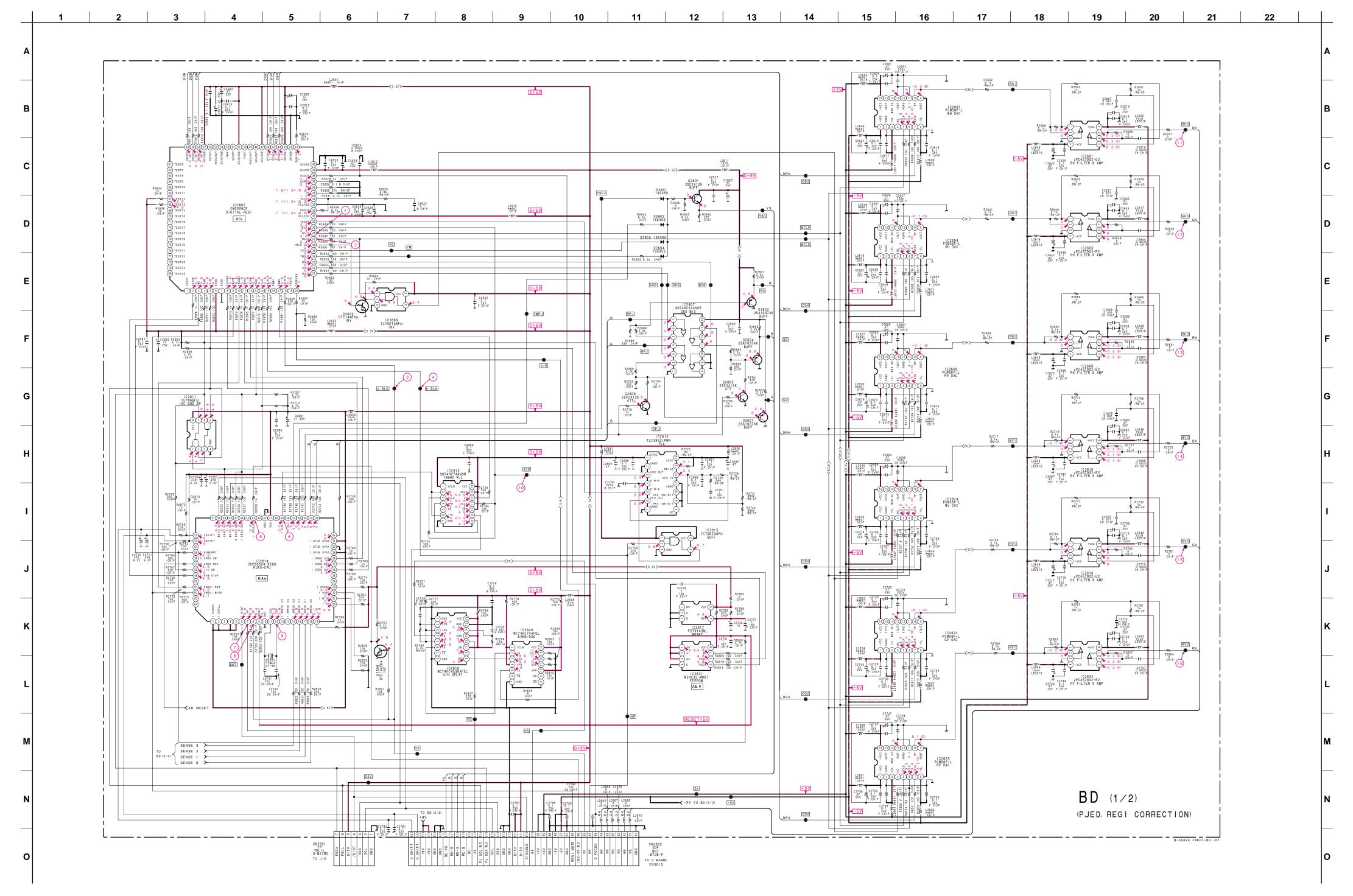
| | | | | | | | | | | | | _ |
|----------|-------|-----|----------------|------------|------------|----------------|------------|-----|----------------|------------|---|---|
| | IC | | Q5102 | E-1 | - | D | IODE | | D5208 | E-3 | - | |
| | | | Q5104 Q5105 | C-1 E-1 | _ | | | * | D5301 D5302 | E-6 E-6 | _ | |
| IC5103 | C-6 | | Q5106 | E-3 | - | D5001 | D-6 | - | D5303 | E-4 | - | |
| IC5104 | C-5 | | Q5201 | E-4 | ① | D5002 | D-6 | - | D5304 | E-4 E-6 | - | |
| IC5105 | C-4 | | Q5302 | E-6 | ① | D5006 | D-6 | - | D5305 D5306 | E-6 | - | |
| IC5106 | C-5 | | Q5303 | E-6 | ① | D5008 | D-6 | - | D5306 | E-6 | _ | |
| IC5107 | D-5 | | Q5401 Q5402 | D-4 D-5 | ① | D5101 | A-1 | - | D5307 | D-4 | - | |
| IC5201 | E-3 | | Q5402 Q5403 | D-5 D-4 | 1 | D5107 | C-2 | - | D5308 | E-5 | _ | |
| IC5301 | E-6 | | Q5403 Q5501 | B-6 | _ | D5108 | D-2 | _ | D5303 | D-4 | _ | |
| IC5302 | E-5 | | Q5501 Q5502 | B-4 | _ | D5114 | D-1 | _ | D5401 | D-4 D-4 | _ | |
| IC5303 | E-6 | | Q5502 | A-5 | _ | D5115 | A-2 | - | D5701 | D-7 | _ | |
| IC5401 | C-4 | | Q5504 | A-5 | _ | D5116 | D-1 | _ | D5704 | E-7 | _ | |
| IC5501 | A-6 | | Q5505 | B-5 | _ | D5117 | A-1 | - | D5719 | D-4 | _ | |
| IC5502 | A-3 | | Q5506 | B-5 | _ | D5118 | A-1 | _ | D5721 | D-4 | _ | |
| IC5703 | D-4 | | Q5704 | E-1 | _ | D5121 D5122 | B-3 B-3 | _ | D5724 | C-3 | _ | |
| | | | Q5705 | E-2 | _ | D5122 D5201 | В-3 Е-4 | _ | D5726 | E-3 | _ | |
| l tran | Q5706 | E-3 | _ | D5201 | E-4 E-4 | _ | D5727 | E-3 | _ | | | |
| - | | | Q5707 | E-3 | _ | D5202 | E-4 | _ | D5732 | E-3 | _ | |
| | | * | Q5710 | E-3 | 1 | D5203 | E-3 | _ | | | | |
| Q5006 | D-6 | 1 | Q5711 | E-3 | 1 | D5204 | E-3 | _ | | | | |
| Q5009 | D-6 | Ō | | | | D5203 | E-3 | _ | | | | |
| ===== | - 0 | | | | | 20201 | _ 0 | | | | | |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)



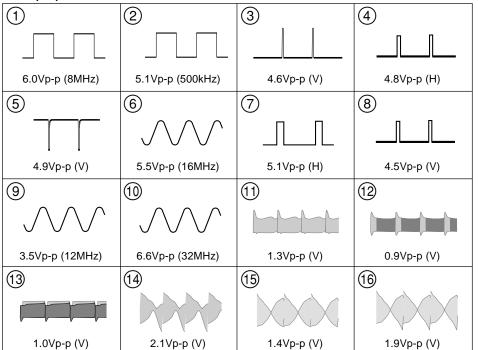
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



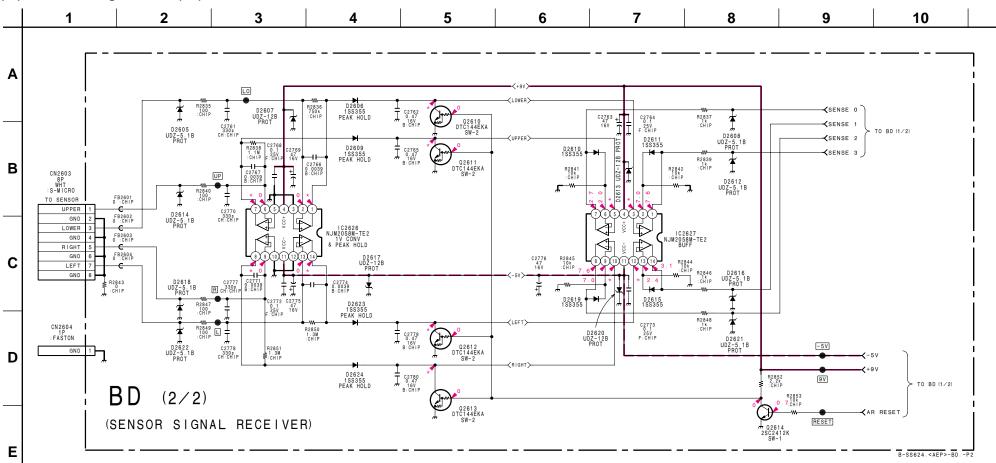




• BD (1/2) BOARD WAVEFORMS



(16) Schematic Diagram of BD (2/2) Board

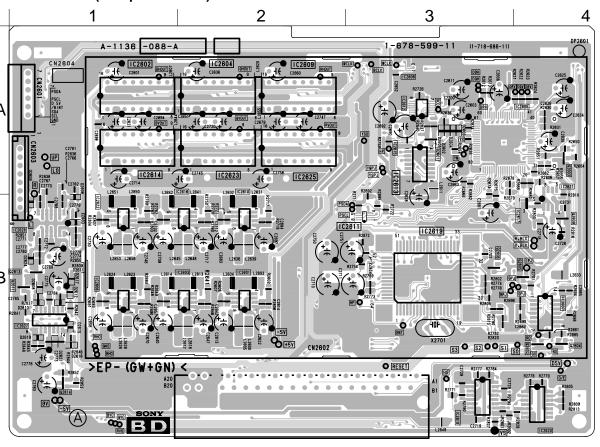


BD BOARD SEMICONDUCTOR LOCATION

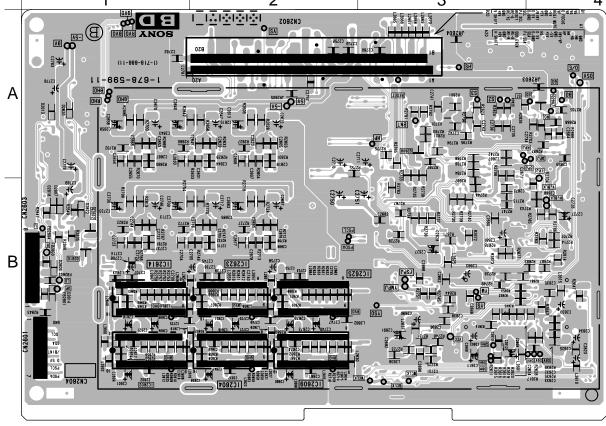
| C | • 60 6 | <u> </u> | J OLIVI | | 1000 | <u> </u> | <u> </u> | <u> </u> |
|--|--------|----------|---------|----------|-------|------------|--------------|--------------|
| C2604 | | IC | | | | | | 1 |
| C2604 | | | | 1 | | D 1 | D- I | (a) |
| C2604 | ' | | \ Side |) | | D-1 | D 1 | (1) |
| C2604 | | | | | | D 1 | D-1 | 9 |
| C2604 | IC2602 | A-1 | B-1 | | | | | (a) |
| C2605 | IC2603 | B-1 | | | Q2014 | D-1 | | (2) |
| C2606 | | – | B-2 | | | | | |
| C2606 | | | | | | DIO | DE | |
| IC2608 | | | | | | | | |
| C2608 B-1 | | | | | | | | r) * |
| C2609 | | | | | D2601 | | / \ Side | , |
| C2610 B-2 D2603 A-3 3 3 C2612 A-3 D2604 A-3 D2605 B-1 3 D26067 B-1 3 C2616 B-1 C2617 B-4 D2607 B-1 3 C2618 B-3 C2619 B-3 C2620 B-4 C2622 B-1 C2622 B-1 C2623 A-1 B-2 C2626 B-1 C2626 B-1 C2626 B-1 C2627 B-1 C2627 B-1 C2627 B-1 C2628 B-1 C2628 B-1 C2629 B-1 C2629 B-1 C2629 B-1 C2620 B-1 C2621 B-1 C2626 B-1 C2627 B-1 C2627 B-1 C2628 B-1 C2629 B-1 C2 | | – | B-2 | | | | | <u>(3)</u> |
| C2611 B-3 D2604 A-3 3 3 C2612 A-3 C2613 A-3 D2605 B-1 3 D2605 B-1 3 C2615 A-3 C2616 B-1 D2607 B-1 3 C2616 B-1 C2617 B-4 C2620 B-4 C2622 B-1 C2625 A-1 B-2 C2626 B-1 C2626 B-1 C2627 B-1 C2627 B-1 C2627 B-1 C2628 B-4 C2629 B-4 C2629 B-4 C2629 B-1 C2629 B-1 C2620 B-4 C2620 B-4 C2625 A-1 B-2 C2626 B-1 C2626 B-1 C2627 B-1 C2627 B-1 C2628 B-1 C2629 B-1 C2626 B-1 C2627 B-1 C2628 B-1 C2629 | | | | | | | | <u>(3)</u> |
| C2612 | | | | | | | | <u>(3)</u> |
| C2613 | | | | | | Α 3 | B-1 | <u>3</u> |
| C2614 | | | | | | R-1 | | <u>a</u> |
| C2615 A-3 C2616 B-1 C2617 B-4 C2622 B-1 C2626 B-1 C2627 B-1 C2627 B-1 C2627 B-1 C2628 B-1 C2629 B-1 C2629 B-1 C2626 B-1 C2627 B-1 C26 | | | B-1 | | | ٠. | R-1 | <u>(3)</u> |
| C2616 B-1 | | | | | | R-1 | | <u>a</u> |
| C2617 B-4 C2618 B-3 C2619 B-3 C2620 B-4 C2622 B-1 C2622 B-1 C2623 A-1 B-2 C2625 A-1 B-2 C2626 B-1 C2626 B-1 C2626 B-1 C2627 B-1 C2627 B-1 C2627 B-1 C2628 B-1 C2628 B-1 C2629 B-1 C2629 B-1 C2629 B-1 C2629 B-1 C2628 B-1 C2629 B- | | | | | | | | <u>a</u> |
| C2618 B-3 D2611 B-1 3 C2620 B-4 C2622 B-1 D2613 B-1 3 C2622 B-1 C2623 A-1 B-2 C2625 A-1 B-2 C2626 B-1 C2626 B-1 C2626 B-1 C2626 B-1 C2626 B-1 C2626 B-1 C2627 B-1 C2626 B-1 C2626 B-1 C2626 B-1 C2626 B-1 C2626 B-1 C2627 B-1 | | | | | | | | <u>(3)</u> |
| C2619 B-3 C2620 B-4 C2621 A-4 C2622 B-1 C2623 A-1 B-2 C2625 A-1 B-2 C2626 B-1 C2626 B-1 C2627 B-1 C2627 B-1 C2626 B-1 C2627 B | | | | | | | | <u>(3)</u> |
| C2620 B-4 D2613 | | | | | | | | <u>(3)</u> |
| C2622 B-1 | | | | | | | A-1 | <u>(3)</u> |
| C2622 | | | | | | | | <u>(3)</u> |
| C2625 | | | ъ. | | | B-1 | | <u>(3)</u> |
| C2626 B-1 B-2 D2617 B-1 3 D2619 B-1 3 D2619 B-1 3 D2619 B-1 3 D2619 B-1 3 D2620 A-1 3 D2621 B-1 3 D2622 B-1 3 D2624 B-1 D2624 | | | | | | B-1 | | <u>(3)</u> |
| D2618 | | | B-2 | | D2617 | B-1 | | (<u>3</u>) |
| TRANSISTOR Component Conductor ★ D2620 | | | | | D2618 | | B-1 | (3) |
| TRANSISTOR (Component) (Conductor) ★ D2620 B-1 3 D2622 B-1 3 D2624 B-1 B-1 3 D2624 B-1 | 102627 | B-1 | | | D2619 | B-1 | | (3) |
| TRANSISTOR Component (Side of Side of Si | | | | | D2620 | | A-1 | <u>(3)</u> |
| Component (Side) Conductor (Side) Q2601 A-3 ② Q2602 B-4 ③ Q2603 A-4 ② Q2604 B-4 ② Q2605 B-4 ② Q2606 B-3 ② Q2607 A-4 ① X2701 B-3 | TF | RANSI | STOR | | D2621 | B-1 | | 3 |
| Component (Side of Side of Sid | | | | | D2622 | | B-1 | 3 |
| Q2601 A-3 ② D2624 B-1 ③ Q2602 B-4 ② CRYSTAL Q2603 A-4 ② CRYSTAL Q2604 B-4 ② (Component) (Side (Side Side Side Side Side Side Side Side | (| | |) * | D2623 | B-1 | | 3 |
| Q2602 B-4 ② CRYSTAL Q2604 B-4 ② CRYSTAL Q2605 B-4 ② (Component) (Side) Q2606 B-3 ② X2701 B-3 | 02601 | | , Jiud | , . | D2624 | B-1 | | 3 |
| Q2603 A-4 ② CRYSTAL Q2604 B-4 ② Q2605 B-4 ② Q2606 B-3 ② X2701 B-3 | | | | <u>0</u> | | | | |
| Q2604 B-4 | | | | 0 | | 001/0 | | |
| Q2605 B-4 ② (Component) (Conductor Side) X2701 B-3 | | | | <u>a</u> | | CRYS | IAL | |
| Q2606 B-3 @ X2701 B-3 | | | | <u>a</u> | | /Component | A / Conducto | r\ |
| Q2607 A-4 ① X2701 B-3 | | | | <u>@</u> | | Side | |) |
| | | 20 | A-4 | (1) | X2701 | B-3 | | |
| | | | | | | | | |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

- BD BOARD - (Component Side)



(Conductor Side)

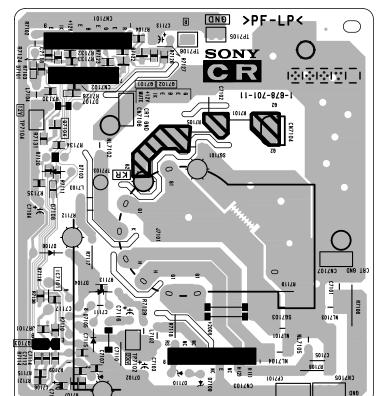


Schematic diagram

← BD (1/2) board - 159 -

CR [R CRT DRIVE] ZR [DY, VM DRIVE] CG [G CRT DRIVE] ZG [DY, VM DRIVE]

- CR BOARD -

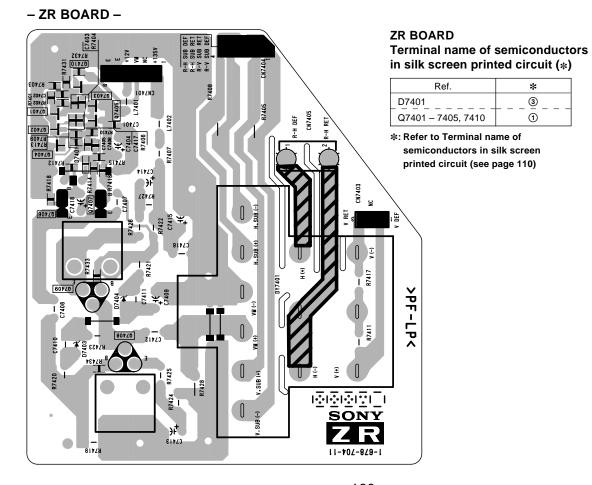


CR BOARD

Terminal name of semiconductors in silk screen printed circuit (*)

| Ref. | * |
|-------------|---|
| D7108 | 3 |
| Q7101, 7104 | ① |

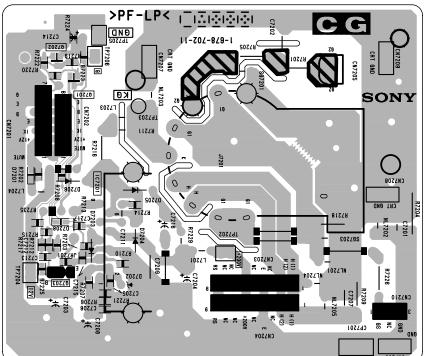
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)



| Ref. | * |
|-------------|---|
| D7108 | 3 |
| Q7101, 7104 | ① |

- CG BOARD -

- ZG BOARD -



CG BOARD

Terminal name of semiconductors in silk screen printed circuit (*)

| Ref. | * |
|-------------|---|
| D7208 | 3 |
| Q7201, 7202 | 1 |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

ZG BOARD

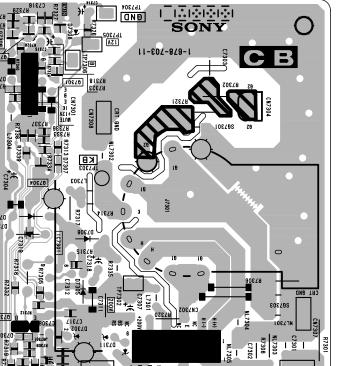
| in silk screen printed circuit (*) | | | | | | |
|------------------------------------|---|--|--|--|--|--|
| Ref. | * | | | | | |
| D7603 | 3 | | | | | |
| Q7601, 7604 – 7607, Q7610 | 0 | | | | | |

Terminal name of semiconductors

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

CB [B CRT DRIVE] **ZB** [DY, VM DRIVE]

- CB BOARD -



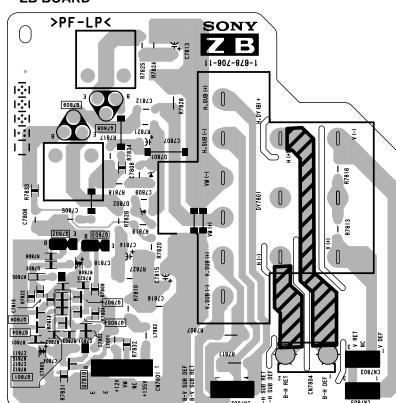
CB BOARD

Terminal name of semiconductors in silk screen printed circuit (*)

| Ref. | * |
|----------------------------|---|
| D7307, 7309 | |
| Q7301, 7302, 7305, 7306 | ① |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

- ZB BOARD -

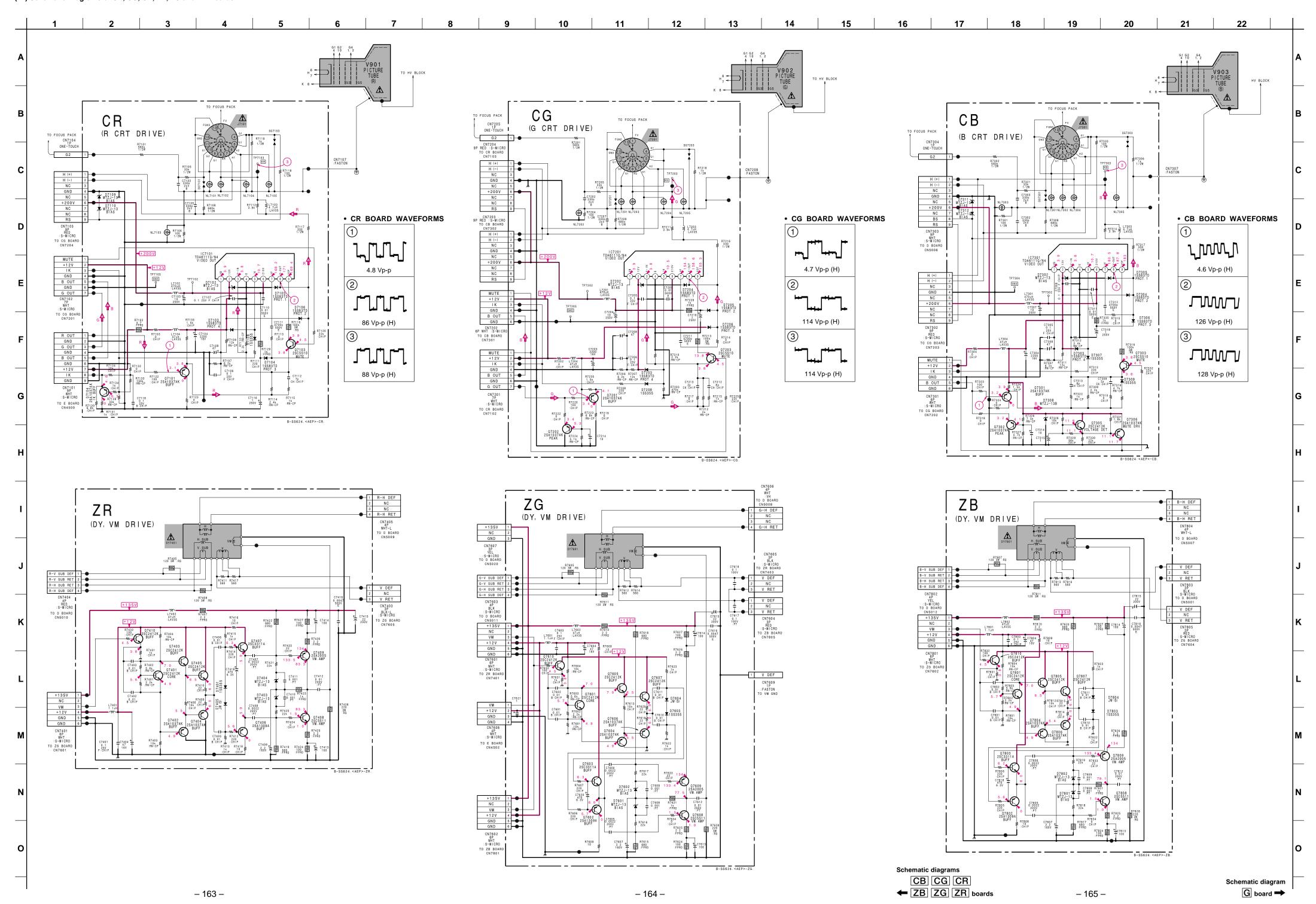


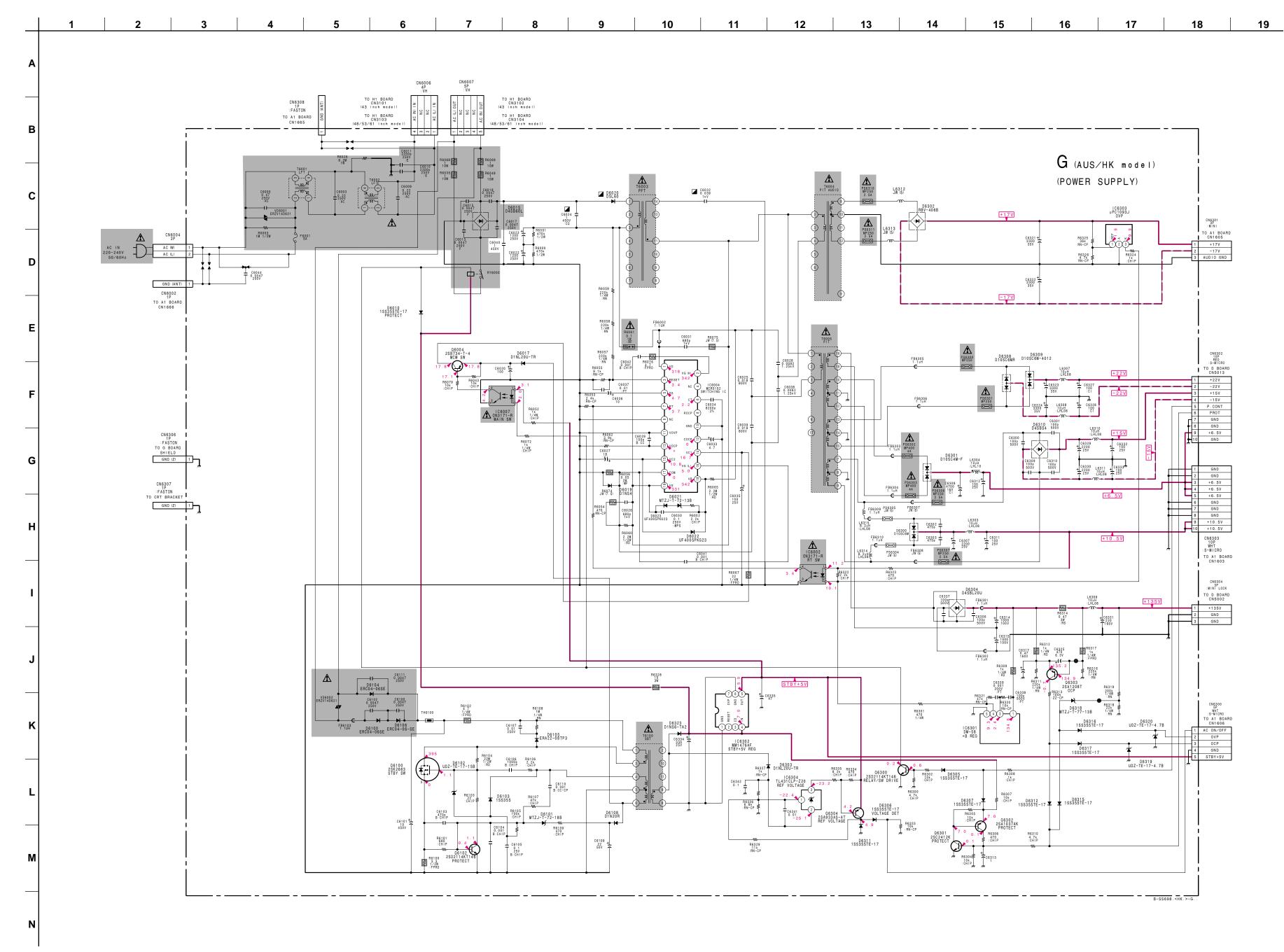
ZB BOARD

Terminal name of semiconductors in silk screen printed circuit (*)

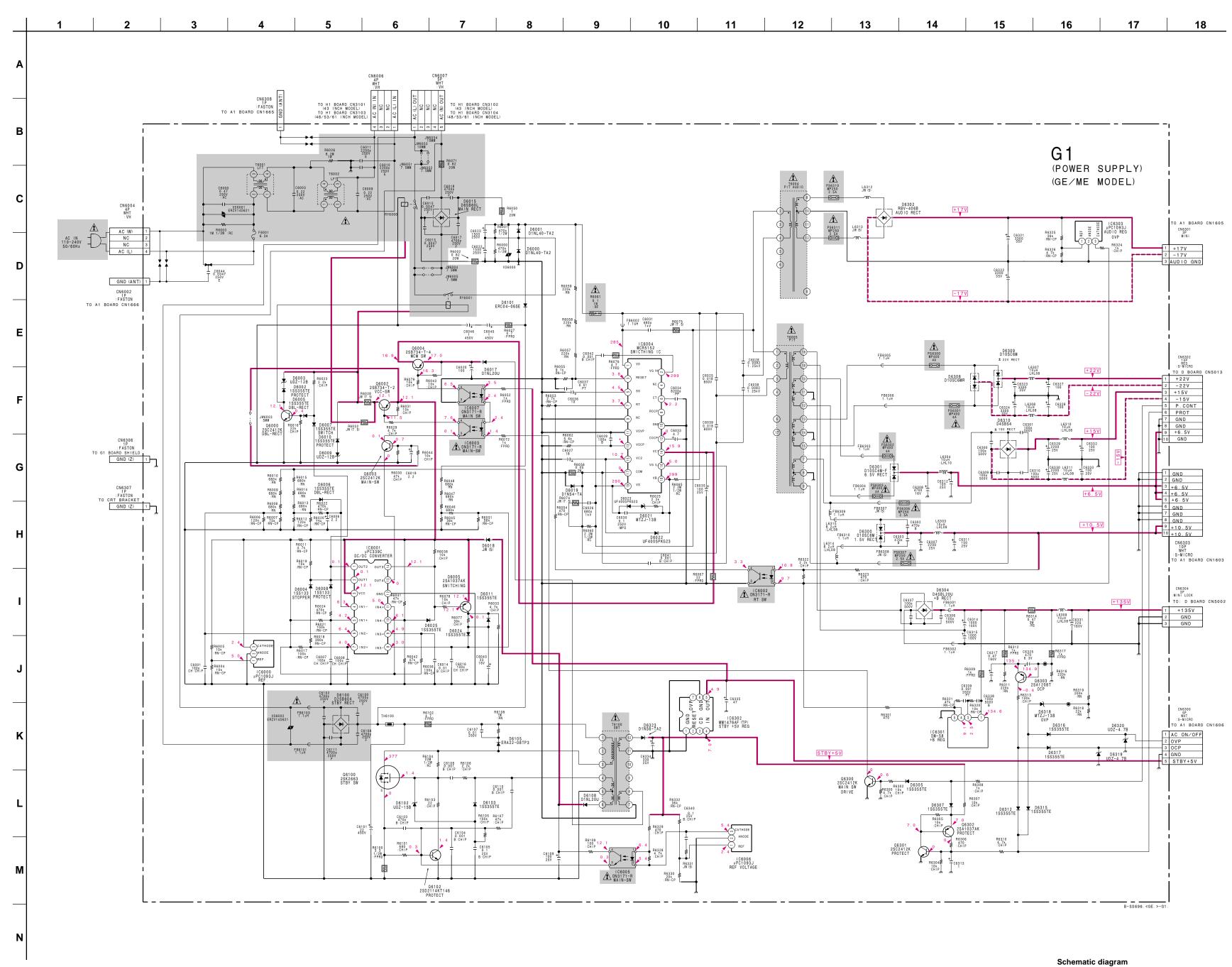
| Ref. | * |
|------------------------------|---|
| D7803 | |
| Q7801, 7804 – 7807, Q7810 | ① |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)





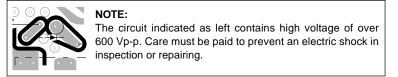
– 169 –

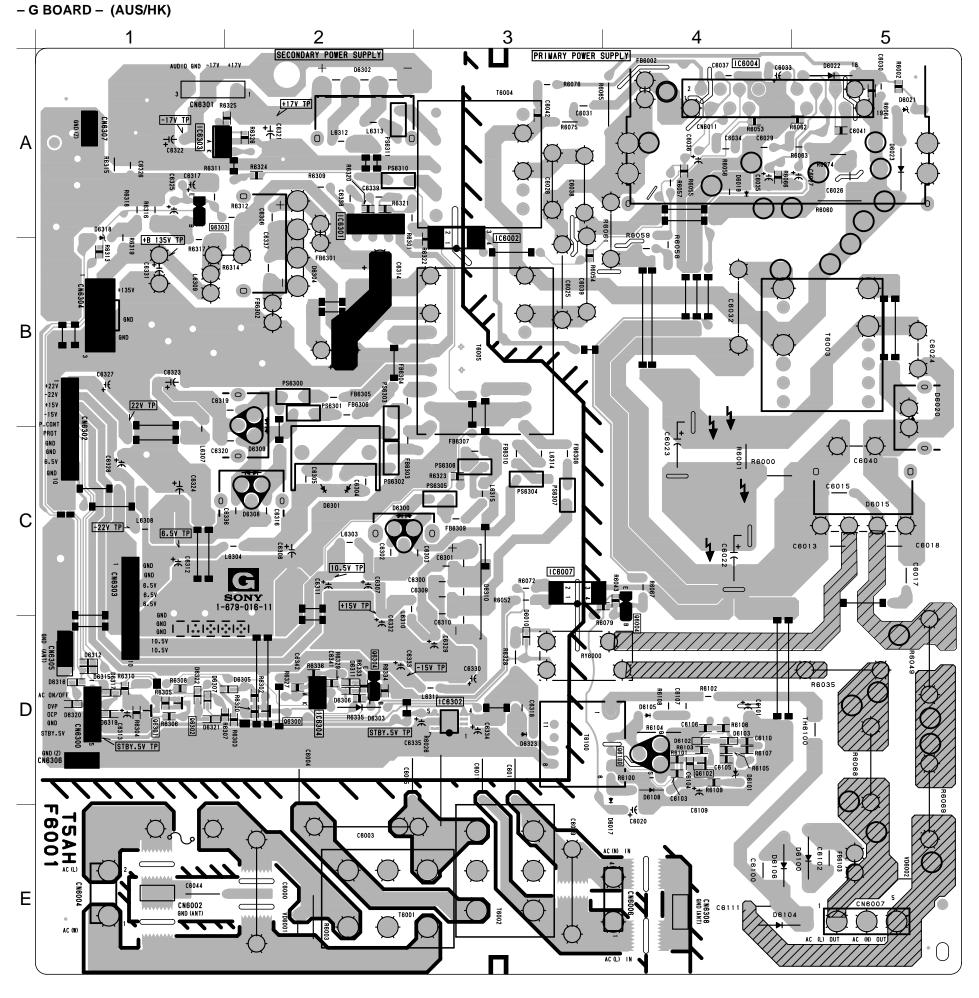


G BOARD SEMICONDUCTOR LOCATION

| • 0 00 | /AI\L | CATIO | | | | | | |
|--------|-------|-------|-------|------------|---|-------|-----|---|
| | IC | | С | IODE | | D6304 | B-2 | - |
| | | | | | | D6305 | D-2 | 3 |
| | | | | | * | D6306 | D-2 | 3 |
| IC6002 | B-3 | | D6010 | D-3 | 3 | D6307 | D-1 | 3 |
| IC6004 | A-4 | | D6015 | C-4 | _ | D6308 | C-2 | _ |
| IC6007 | C-3 | | D6017 | D-4 | _ | D6309 | C-2 | _ |
| IC6301 | A-2 | | D6017 | A-5 | _ | D6310 | C-3 | - |
| IC6302 | D-3 | | D6013 | B-5 | | D6311 | D-2 | 3 |
| IC6303 | A-1 | | D6020 | A-5 | _ | D6312 | D-1 | 3 |
| IC6304 | D-2 | | D6021 | A-5 A-5 | _ | D6315 | D-1 | 3 |
| 100304 | D-2 | | D6022 | A-5 A-5 | _ | D6316 | D-1 | 3 |
| | | | D6023 | A-5 E-1 | - | D6317 | D-1 | 3 |
| TRAI | NSIST | ΓOR | | | - | D6318 | A-1 | _ |
| | | | D6101 | D-4 | - | D6319 | D-1 | 3 |
| | | * | D6102 | D-4 | 3 | D6320 | D-1 | 3 |
| 00004 | C 4 | ••• | D6103 | D-4 | - | D6323 | D-3 | _ |
| Q6004 | C-4 | - | D6104 | E-4 | - | 20020 | | |
| Q6100 | D-4 | _ | D6105 | D-4 | - | | | |
| Q6102 | C-4 | ① | D6106 | E-4 | - | | | |
| Q6300 | D-2 | ① | D6108 | D-4 | - | | | |
| Q6301 | D-1 | ① | D6300 | C-2 | - | | | |
| Q6302 | D-1 | 1 | D6301 | C-2 | - | | | |
| Q6303 | A-1 | - | D6302 | A-2 | - | | | |
| Q6304 | D-2 | - | D6303 | D-2 | - | | | |
| | | | ı | | | | | |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)



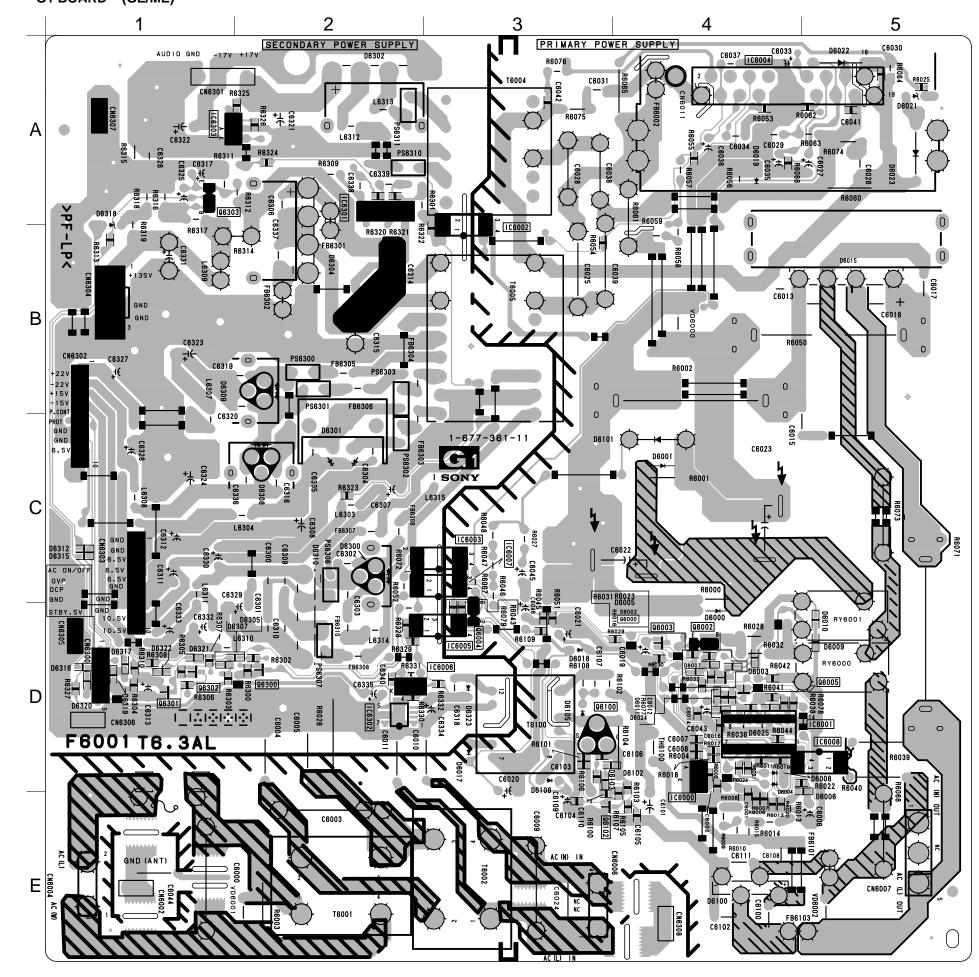


• G1 BOARD SEMICONDUCTOR LOCATION

| IC | Q6003 | D-4 | 1 | D6007 | D-4 | 3 | D6302 | A-2 | - |
|--|--|--|----------------------------------|--|--|----------------------------|--|--|--------------------------------------|
| IC6000 D-4 IC6001 D-4 IC6002 B-3 IC6003 C-3 IC6004 A-4 IC6005 D-3 | Q6004 Q6005 Q6100 Q6102 Q6300 Q6301 Q6302 Q6303 | D-3 D-5 D-3 E-3 D-2 D-1 D-1 A-1 | - - (1) (1) (1) - | D6008 D6009 D6010 D6011 D6015 D6017 D6019 D6021 | D-4 D-5 D-5 D-4 B-5 D-3 A-4 A-5 | 3 3 3 - - - | D6304 D6305 D6307 D6308 D6309 D6310 D6312 D6315 | B-2 D-2 D-1 C-1 B-2 C-2 C-1 C-1 | - 3 3 - - - 3 9 |
| IC6006 D-2 IC6007 C-3 IC6301 A-2 | | IODE | | D6022 D6023 D6024 | A-5 A-5 D-4 | - - 3 | D6316 D6317 D6318 | D-1 D-1 A-1 | 3 3 - |
| IC6302 D-2 IC6303 A-1 | D6000 | D-4 | * - | D6025 D6100 D6101 | D-4 E-4 C-4 | ③ - - | D6319 D6320 D6323 | D-1 D-1 D-3 | 3 3 - |
| TRANSISTOR | D6001 D6002 | C-4 D-4 | 3 | D6102 D6103 | D-4 D-3 | 3 3 | | | |
| Q6000 D-4 ① Q6002 D-4 — | D6003 D6004 D6005 D6006 | D-4 D-4 D-4 D-5 | 3 - 3 3 | D6105 D6108 D6300 D6301 | D-3 D-3 C-2 C-2 | - - - | | | |

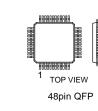
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

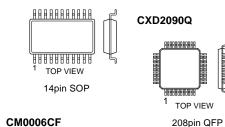
- G1 BOARD - (GE/ME)



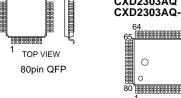
7-5. SEMICONDUCTORS



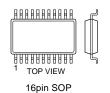




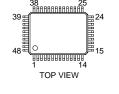




CXA1875AM-T4 MC74HC4538AF MC74HC4538AFEL PCM56P-L



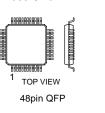
CXA2123BQ-T6



CXA2069Q CXA2100AQ-TL CXP750096-025Q-TL CXP86324-028Q

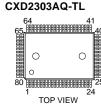


CXD2064Q-T6 CXD2309Q-T6

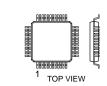




CXD2303AQ

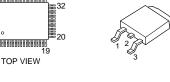


CXD9509Q



240pin QFP

LF50CDT-TR



LM358D

LM358DR M24C04-MN6T M24C04-WMN6T M24C08-MN6T(A) M24C32-MN6T TC7W02F TC7W02F(TE12R) TC7W04F TC7W04F(TE12R) TC7W08F TC7W08F(TE12R)

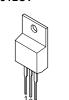
TC7W32F

TC7W32F(TE12R) TC7W66FÙ(TE12R) TDA2822D013TR µPC4570G2 μPC4570G2-E2

RARRARARA TOP VIEW

8pin SOP

LM7912CT



AAAAAAAAAA

TOP VIEW

86pin SOP

MB94918RPF-G124-BND

NJM2058D µPC339C

MC74HC4053AFEL

TOP VIEW

16pin DIP

8pin SIP

MM1115XFBE

MARKING SIDE VIEW

MM1476AF(TP)

NJM79M05FA

PQ05RF11

PQ30RV21

PQ5EV3

PST9120NL



TOP VIEW

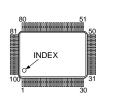
14pin DIP



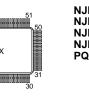




PST9145NL TC7SET04F(TE85R) TC7SET08FÙ(TE85) TC7SET08FU(TE85R)



MCR5152



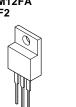


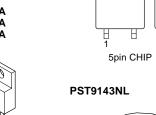






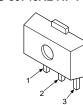








S-80743AL-A7-S S-80743AL-A7-T1



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SDA5254-2B006

STK392-020

STV9379

TDA6111Q/N4

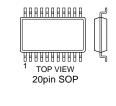
TOP VIEW

52pin DIP

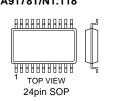


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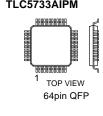


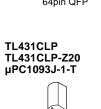


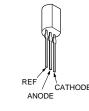
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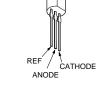








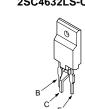






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2SD601A-QRS-TX









2SA1175-HFE





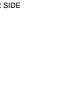
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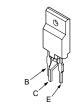




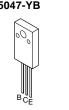








2SC5047-YB



2SK2036(TE85L)



2SK2251-01-F19

2SK2663



D1NS6-TA2 EGP20G EL1Z-V1 ERA22-08 ERA22-08TP3 GP08D GP08DL-6563 GP08DPKG23 RGP02-20EL-6394







DA204K DA204K-T-146



D1NS4



DTZ-TT11-15B

MA111-(K8).SO

UDZ-TE-17-12B

UDZ-TE-17-15B

UDZ-TE-17-2.4B

UDZ-TE-17-24B

UDZ-TE-17-3.9B

UDZ-TE-17-4.7B

UDZ-TE-17-5.1B

UDZ-TE-17-6.2B

UDZ-TE-17-6.8B

UDZ-TE-17-8.2B

UDZ-TE-17-9.1B

DTZ24B

DTZ4.7C

DTZ5.1B

MA111-TX

RD12SB2

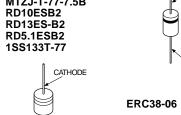
MA113-(TX)

DTZ9.1

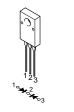
D1NL20U-TR D1NS6 RGP10GPKG23 RGP15GPKG23 UF4005PKG23 **1SS83** 1SS83TD



D1N20R D1N20R-TA2 D1NL40-TA2 MTZJ-13 MTZJ-13B MTZJ-7.5B MTZJ-T-72-13B MTZJ-T-77-10B MTZJ-T-77-13 MTZJ-T-77-13B MTZJ-T-77-15 MTZJ-T-77-2.2A MTZJ-T-77-24 MTZJ-T-77-36B MTZJ-T-77-5.1B MTZJ-T-77-7.5B

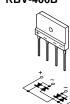










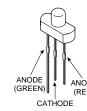


D5L60



ANODE





ERD08M-15



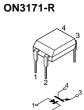
D10SC6MR



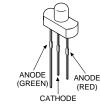
RBA-406B RBV-406B



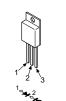
MA8039



SPR-325MVW



FMG-36S-LF024-104

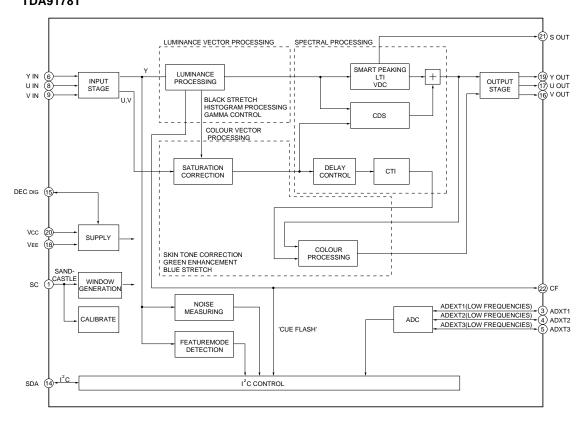


MA3062M-TX MA3220M-TX

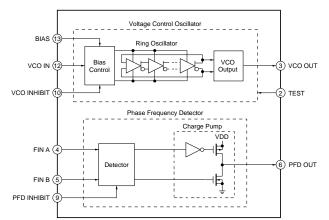


7-6. IC BLOCK DIAGRAMS

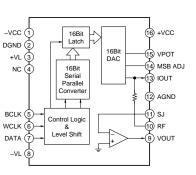
• J1 (2/2) BOARD IC8601 TDA9178T



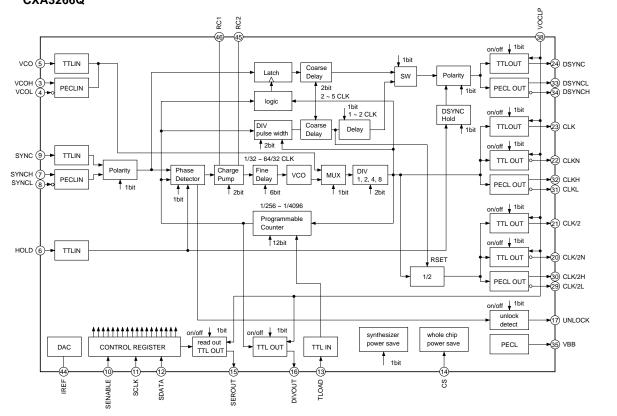
• B3 (1/5) BOARD IC504 TLC2933IPWR



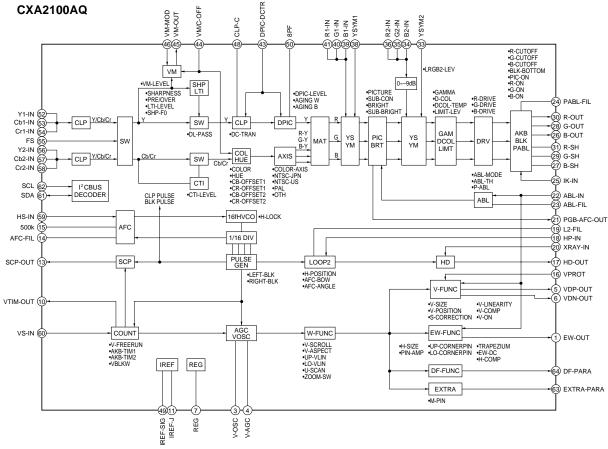
• BD (1/2) BOARD IC2602, 2604, 2609, 2614, 2623, 2625 PCM56P



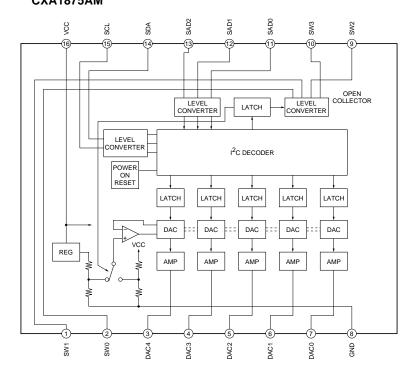
• B3 (5/5) BOARD IC303 CXA3266Q



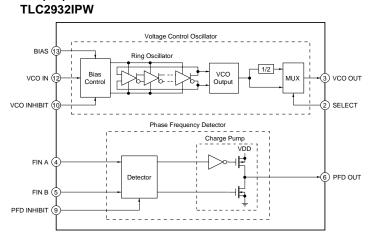
• E BOARD IC4301



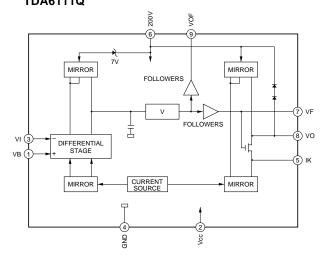
• B3 (2/5) BOARD IC604 CXA1875AM



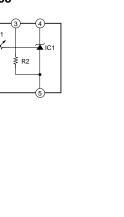
B3 (2/5) BOARD IC603
 BD (1/2) BOARD IC2612



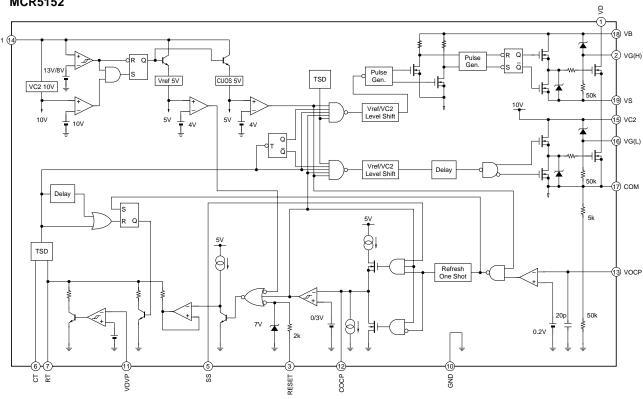
- CR BOARD IC7101 • CG BOARD IC7201
- CB BOARD IC7301 TDA6111Q



• G, G1 BOARD IC6301 DM-58



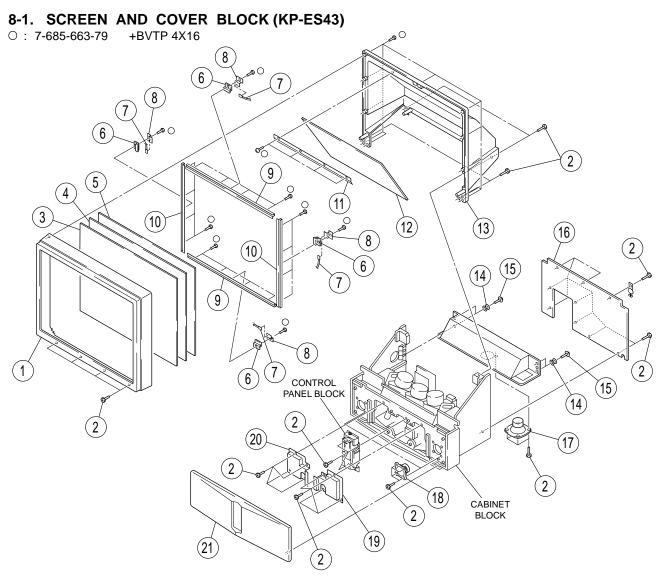
• G, G1 BOARD IC6004 MCR5152



SECTION 8 EXPLODED VIEWS

NOTE:

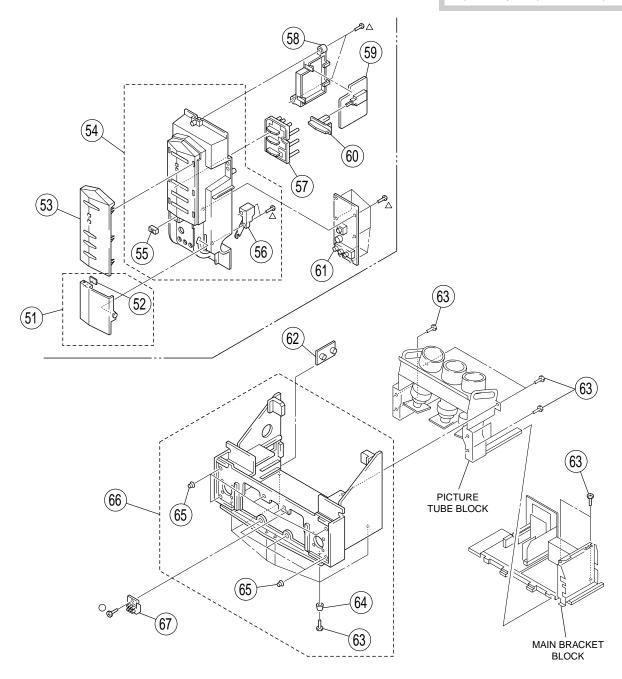
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------------|--|--|--------|----------|--|---|---------|
| 1 2 3 4 5 | 4-378-522-31 4-076-507-11 4-075-439-11 | BEZEL (43) ASSY SCREW, TAPPING, HEXAGO SCREEN (43AR), CONTRAST PLATE (43L), DIFFUSION PLATE (43F), DIFFUSION | | 14 15 | * 4-076-588-01 4-077-433-01 4-058-870-01 | MIRROR (43) COVER (43), MIRROR BUSHING, RUBBER SCREW, (4X16) W (+) P BOARD (43), REAR | TAPPING |
| 7 8 9 | 1-528-864-11 * 4-066-132-01 * 4-076-698-21 | COVER, SENSOR BATTERY, SOLAR HOLDER, SENSOR HOLDER, SCREEN HOLDER, SCREEN | | | 1-529-791-11 * 4-075-384-01 * 4-075-385-01 | SPEAKER (12 CM) SPEAKER (10 CM) COVER (R), FRONT COVER (L), FRONT GRILLE ASSY, SPEAKE | R |
| 11 | * 4-066-129-01 | HOLDER, MIRROR | | | | | |

8-2. CONTROL PANEL AND CABINET BLOCK (KP-ES43)

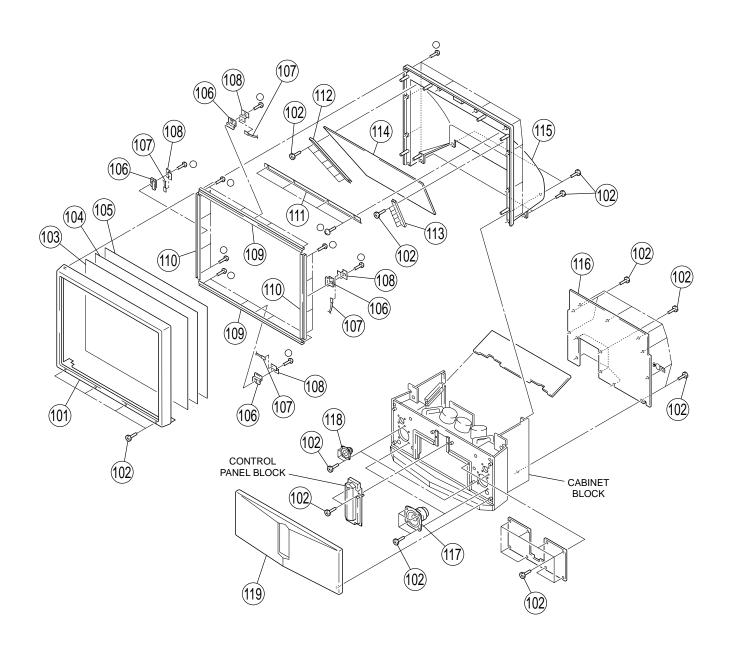
△ : 7-685-648-79 +BVTP 3X12 ○ : 7-685-663-79 +BVTP 4X16



| REF.NO | . PART NO. | DESCRIPTION | REMARK | REF.NO | . PART NO. | DESCRIPTION | REMARK |
|----------------------------|--------------------------------|---|--------------|----------------------------|----------------------------------|---|-----------------------------|
| 51 52 53 54 55 | 4-076-581-01 4-075-390-01 | PANEL ÀŚSY, CONTROL | 52 55, 56 | 60 61 62 63 64 | * A-1372-803-A * 1-761-348-11 | BUTTON, POWER A H1 BOARD, COMPLETE PWB, MOUNTED (NET WORI SCREW, TAPPING, HEXAGO FOOT | |
| | 4-075-391-01 * 4-075-389-01 | DAMPER UNIT BUTTON, MALTI BRACKET, H1 H2 BOARD, COMPLETE | | | | CABINET (43) ASSY RESISTOR ASSY (HIGH-VOL | 63-65 TAGE) CUS PACK) |

8-3. SCREEN AND COVER BLOCK (KP-ES48)

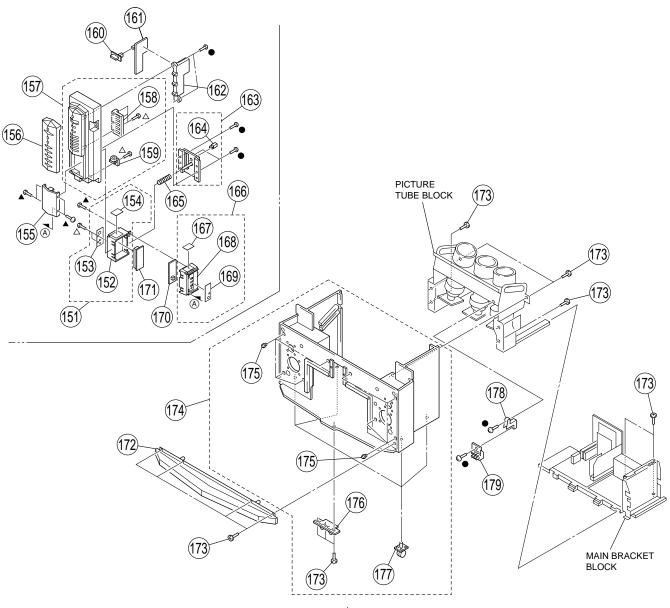
O: 7-685-663-79 +BVTP 4X16



| REF.NC | D. PART NO. | DESCRIPTION | REMARK | REF.NO | . PART NO. | DESCRIPTION | REMARK |
|---------------------------------|--|---|---------|--------------------------|--|---|--------|
| 101 102 103 104 105 | 4-378-522-31 4-064-041-11 4-075-440-11 | BEZNET (48) ASSY SCREW, TAPPING, HEXAGO SCREEN (48), CONTRAST PLATE (48L), DIFFUSION PLATE (F), DIFFUSION | ON HEAD | 112 113 114 | * 4-076-705-01 * 4-076-706-01 4-076-704-01 | HOLDER (TOP), MIRROR HOLDER (SL), MIRROR HOLDER (SR), MIRROR MIRROR (48) COVER (48), MIRROR | |
| 106 107 108 109 110 | 1-528-864-11 * 4-066-132-01 * 4-076-698-01 | COVER, SENSOR BATTERY, SOLAR HOLDER, SENSOR HOLDER, SCREEN HOLDER, SCREEN | | 116 117 118 119 | 1-529-643-11 1-529-403-11 | BOARD, REAR SPEAKER (13 CM) SPEAKER (6.6 CM) GRILLE ASSY, SPEAKER | |

8-4. CONTROL PANEL AND CABINET BLOCK (KP-ES48)

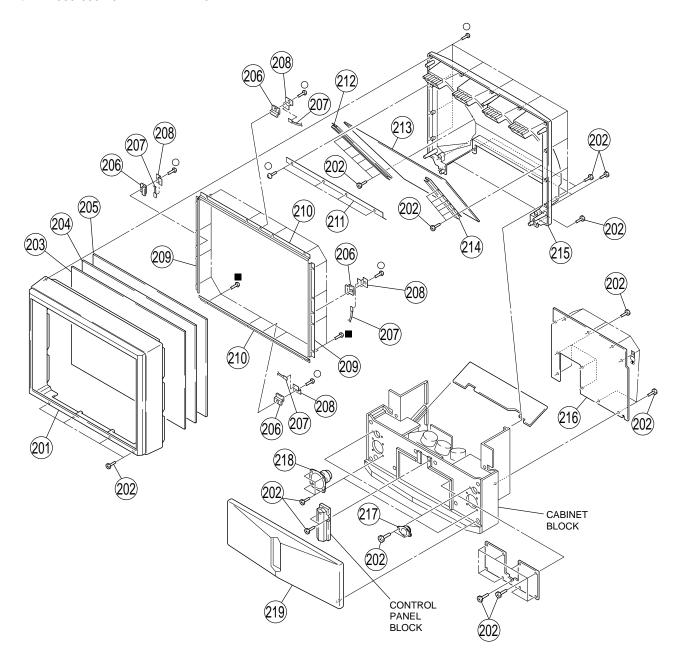
▲ : 7-685-534-19 +BTP 2.6X8
 △ : 7-685-648-79 +BTP 3X12
 ● : 7-685-663-71 +BVTP 4X16



| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | . PART NO. | DESCRIPTION | REMARK |
|--|--|--|---------------------|-------------------|--|---|--------|
| 151 152 153 154 155 156 157 158 159 160 | 4-072-001-03 4-071-990-11 4-076-702-01 4-071-999-12 4-072-007-21 X-4037-024-6 4-071-997-01 4-919-393-01 | LABEL (L), CONTROL LABEL (L), TOP PANEL (T) PANEL (C) PANEL ASSY, CONTROL BUTTON, MULTI | 152-154 158, 159 | 171 172 173 | 4-076-701-01 4-072-000-03 4-071-989-01 * A-1372-788-A * A-1372-789-A * 4-075-256-01 4-378-522-31 | LABEL`(Ŕ), CONTROL H2 BOARD, CONTROL H3 BOARD, CONTROL SKIRT, FRONT SCREW, TAPPING, HEX/ CABINET (48) ASSY | |
| | * 4-071-998-01 X-4037-221-2 | A H1 BOARD, COMPLETE BRACKET (HA) 2 HOLDER ASSY, TRAY CATCHER, PUSH 2 SPRING (T) | 164 | | 4-075-244-01 * 4-054-825-01 | FOOT, PLASTIC CASTER (30 DIA.) BRACKET, FOCUS PACK RESISTOR ASSY (HIGH- | |

8-5. SCREEN AND COVER BLOCK (KP-ES53)

■ : 7-685-661-79 +BVTP 4X12 ○ : 7-685-663-79 +BVTP 4X16



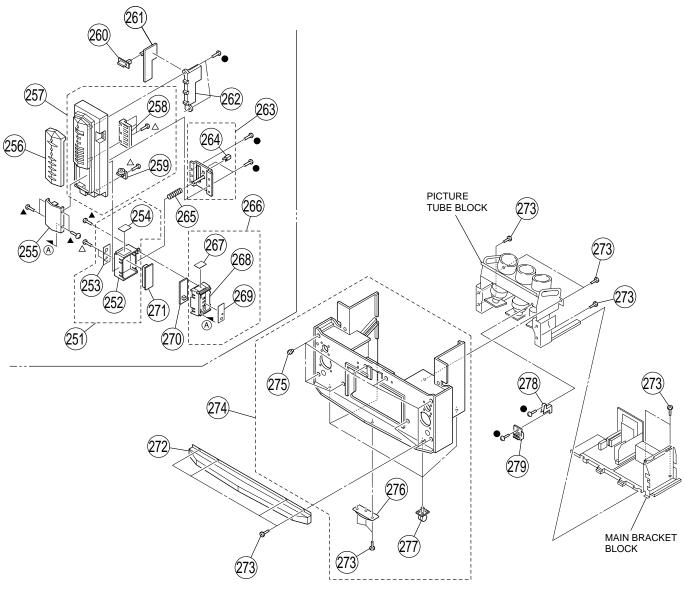
| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------------------------------|--|--|--------|-------------------|--|---|--------|
| 201 202 203 204 205 | 4-378-522-31 4-064-186-11 4-070-525-11 | BEZNET (53) ASSY SCREW, TAPPING, HEXAGO SCREEN (53), CONTRAST PLATE (L), DIFFUSION PLATE (53FV), DIFFUSION | N HEAD | 212 213 214 | * 4-069-687-01 4-070-344-01 * 4-069-688-01 | HOLDER (TOP), MIRROR HOLDER (LS), MIRROR MIRROR, REFLECTION HOLDER (RS), MIRROR COVER, MIRROR | |
| 206 207 208 209 | * 4-205-155-01 1-528-864-11 * 4-066-132-01 * 4-075-270-01 | COVER, SENSOR BATTERY, SOLAR HOLDER, SENSOR HOLDER (53) S, SCREEN HOLDER (53) L, SCREEN | | | * 4-076-711-01 1-529-403-11 1-529-405-11 | BOARD, REAR SPEAKER (6.6 CM) SPEAKER (13 CM) GRILLE ASSY, SPEAKER | |

8-6. CONTROL PANEL AND CABINET BLOCK (KP-ES53)

 ▲ : 7-685-534-19
 +BTP 2.6X8

 △ : 7-685-648-79
 +BTP 3X12

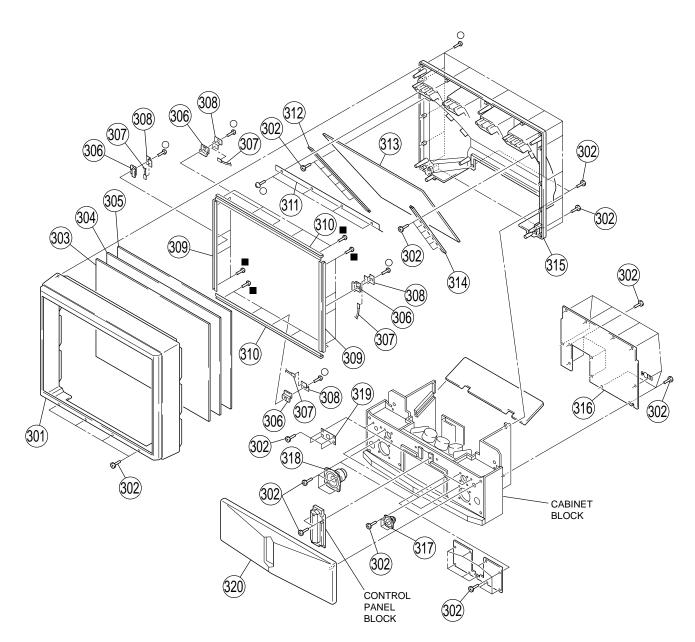
 ● : 7-685-663-71
 +BVTP 4X16



| REF.NC | D. PART NO. | DESCRIPTION | REMARK | REF.NO | O. PART NO. | DESCRIPTION | REMARK |
|--------|--------------|----------------------|----------|--------|-----------------------|------------------------|--------------------------|
| 251 | X-4037-796-1 | TRAY (L) ASSY | 252-254 | 266 | X-4037-795-1 | TRAY (R) ASSY | 267-269 |
| 252 | 4-072-001-03 | | 202 20 . | 267 | | LABEL (R), TOP | 20. 200 |
| 253 | | LABEL (L), CONTROL | | 268 | 4-072-000-03 | | |
| 254 | | LABEL (L), TOP | | 269 | | LABEL (Ŕ), CONTROL | |
| 255 | 4-071-999-12 | PANEL (T) | | 270 | * A-1372-788-A | A H2 BOARD, COMPLETE | |
| 256 | 4-072-007-21 | PANEL (C) | | 271 | * A-1372-789-A | A H3 BOARD, COMPLETE | |
| 257 | X-4037-024-6 | PANEL ÀSSY, CONTROL | 258, 259 | 272 | * 4-074-349-01 | SKIRT (53), FRONT | |
| 258 | 4-071-997-01 | BUTTON, MULTI | | 273 | | SCREW, TAPPING, HEXA | |
| 259 | 4-919-393-01 | | | 274 | * X-4037-797-1 | CABINET (53) ASSY, BOT | TOM |
| 260 | 4-071-995-01 | BUTTON, POWER | | | | | 273, 275-277 |
| | | | | 275 | 4-063-421-02 | LATCH (K) | |
| 261 | | A H1 BOARD, COMPLETE | | | | | |
| 262 | | BRACKET (HA) | | 276 | | FOOT, PLASTIC | |
| 263 | | 2 HOLDER ASSY, TRAY | 264 | 277 | | CASTER (DIA. 30) | |
| 264 | | CATCHER, PUSH | | 278 | | BRACKET, FOCUS PACK | |
| 265 | 4-071-987-02 | SPRING (T) | | 279 | △ 1-223-925-11 | RESISTOR ASSY (HIGH- | VOLTAGE) (FOCUS PACK) |

8-7. SCREEN AND COVER BLOCK (KP-ES61)

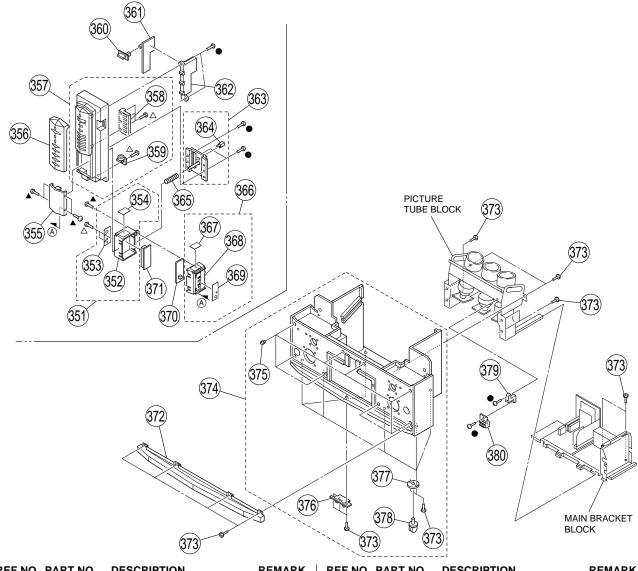
■ : 7-685-661-79 +BVTP 4X12 ○ : 7-685-663-79 +BVTP 4X16



| REF.NO | PART NO. | DESCRIPTION | REMARK | REF.NO | . PART NO. | DESCRIPTION | REMARK |
|--------|----------------|------------------------|--------|--------|----------------|--------------------------|--------|
| 301 | Y_4037_701_1 | BEZNET (61) ASSY | | 311 | * /-070-3/5-01 | HOLDER (TOP), MIRROR | |
| 302 | | SCREW, TAPPING, HEXAGO | N HEAD | | | HOLDER (L), MIRROR | |
| 303 | | SCREEN (61), CONTRAST | | 313 | | MIRROR, REFLECTION | |
| 304 | 4-070-283-11 | PLATE (L), DIFFUSION | | 314 | * 4-069-690-01 | HOLDER (R), MIRROR | |
| 305 | 4-066-082-11 | PLATE (F), DIFFUSION | | 315 | * 4-069-695-01 | COVER, MIRROR | |
| 306 | * 4-205-155-01 | COVER, SENSOR | | 316 | * 4-076-692-01 | BOARD, REAR | |
| 307 | 1-528-864-11 | BATTERY, SOLAR | | 317 | 1-529-758-11 | SPEAKER (8 CM) | |
| 308 | * 4-066-132-01 | HOLHDER, SENSOR | | 318 | 1-529-759-11 | SPEAKER (16 CM) | |
| 309 | 4-072-006-01 | HOLDER (V61), SCREEN | | 319 | 1-529-757-11 | SPEAKER (2.7 CM) | |
| 310 | 4-072-005-01 | HOLDER (H61), SCREEN | | 320 | X-4037-790-1 | GRILLE (61) ASSY, SPEAKE | 3 |

8-8. CONTROL PANEL AND CABINET BLOCK (KP-ES61)

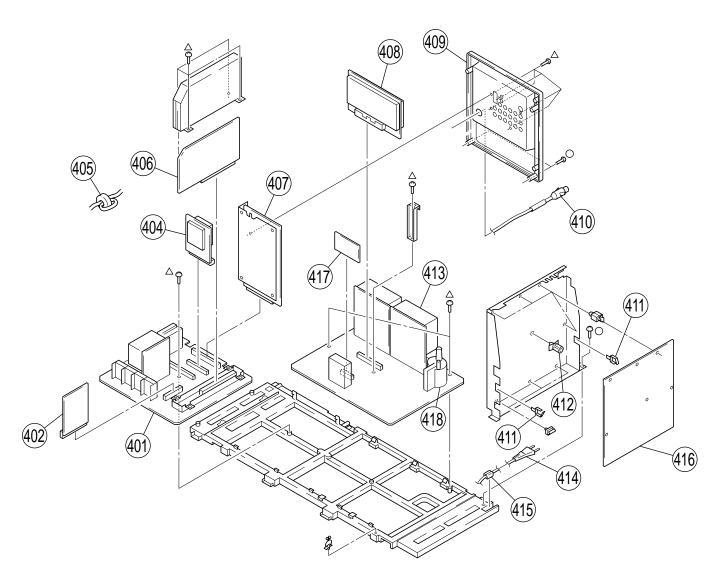
▲ : 7-685-534-19 +BTP 2.6X8
 △ : 7-685-648-79 +BVTP 3X12
 ● : 7-685-663-71 +BVTP 4X16



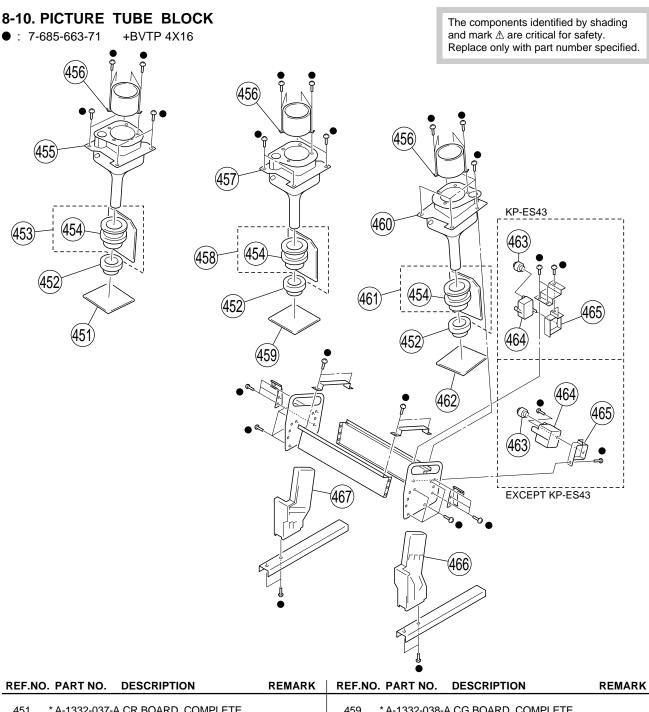
| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.N | O. PART NO. | DESCRIPTION | REMARK |
|--|--|---|---------------------|--|--|---|--------------------------|
| 351 352 353 354 355 356 357 358 359 360 | 4-072-001-03 4-071-990-11 4-076-702-01 4-071-999-12 4-072-007-21 X-4037-024-6 4-071-997-01 4-919-393-01 | LABEL (L), CONTROL LABEL (L), TOP PANEL (T) PANEL (C) PANEL ASSY, CONTROL BUTTON, MULTI | 352-354 358, 359 | 367 368 369 370 371 372 373 374 375 376 | 4-072-000-03 4-071-989-01 * A-1372-788-A * A-1372-789-A 4-072-013-11 4-378-522-31 * X-4037-789-1 4-063-421-02 | LABEL` (Ŕ), CONTROL A H2 BOARD, COMPLETE A H3 BOARD, COMPLETE SKIRT (61), FRONT SCREW, TAPPING, HEXA CABINET (61) ASSY | GON HEAD 373, 375-378 |
| 362 363 364 365 | 4-071-998-01 X-4037-221-2 4-047-464-01 4-071-987-02 | , | 364 | 377 378 379 380 | 4-039-546-01 * 4-054-825-01 | BRACKET, FOCUS PACK RESISTOR ASSY (HIGH-V | |
| 366 | X-4037-795-1 | TRAY (R) ASSY | 367-369 | | | | |

8-9. MAIN BRACKET BLOCK

△ : 7-685-648-79 +BVTP 3X12 ○ : 7-685-663-79 +BVTP 4X16



| REF.NO | D. PART NO. | DESCRIPTION | REMARK | REF.N | O. PART NO. | DESCRIPTION | REMARK |
|--------|----------------|----------------------------|------------|-------|---------------------|--------------------------|---------------|
| 401 | * A-1299-176- | A A1 BOARD, COMPLETE | | 414 | 1-574-062-52 | CORD, POWER (WITH CON | NNECTOR) |
| 402 | * A-1346-922- | A E BOARD, COMPLETE | | | | (ES43ME1/MN1, ES | S48ME1/MN1, |
| 404 | * A-1306-588- | A M1 BOARD, COMPLETE | | | | ES53ME1/MN1, ES | S61ME1/MN1) |
| 405 | 1-543-982-1° | 1 CORE, FERRITE | | 414 | 1-792-002-11 | CORD, POWER (WITH FILT | ER) |
| 406 | * A-1136-087- | A B3 BOARD, COMPLETE | | | | (ES43HK1, ES48HK1, ES53H | IK1, ES61HK1) |
| | | | | 414 | 1-792-035-11 | CORD, POWER (WITH FILT | ER) |
| 407 | * A-1394-982- | A J1 BOARD, COMPLETE | | | | (ES43SN1, ES48SN1, ES53S | N1, ES61SN1) |
| 408 | * A-1136-088- | A BD BOARD, COMPLETE | | 415 | 4-022-115-00 | HOLDER, AC CORD | , |
| 409 | 4-076-679-0° | 1 TERMINAL BOARD | | | | · | |
| 410 | 1-790-082-1 | 1 CABLE, RF | | 416 | * A-1316-514-A | G1 BOARD, COMPLETE | |
| 411 | * 4-316-015-00 |) HOLDER, WIRE | | | | (EŚ43ME1/MN1, ES | S48ME1/MN1, |
| | | , | | | | `ES53ME1/MN1, ES | S61ME1/MN1) |
| 412 | * 4-046-677-1 | 1 HOLDER (B), PRINTED CIRC | CUIT BOARD | 416 | * A-1316-528-A | G BOARD, COMPLETE | , |
| 413 | | A D BOARD, COMPLETE (ES4 | | | | (ES43HK1/SN1, E | S48HK1/SN1, |
| 413 | * A-1346-924- | A D BOARD, COMPLETE (ESS | 53) | | | `ES53HK1/SN1, E | S61HK1/SN1) |
| 413 | | A D BOARD, COMPLETE (ES6 | | 417 | * A-1343-830-A | DS BOARD, COMPLETE | , |
| 413 | | A D BOARD, COMPLETE (ES4 | | 418 | | TRANSFORMER ASSY, FL' | YBACK |
| - | | , - | , | | | , | NX-4010//M |



| 451 452 453 454 | △1-452-790-41 N * A-1391-025-A ZI △1-451-476-21 D | R BOARD, COMPLETE ECK ASSY (NA-295) R BOARD, COMPLETE EFLECTION YOKE | 454 | 459 460 460 | △ 8-733-574-15 | CG BOARD, COMPLETE PICTURE TUBE 07MAC2 PICTURE TUBE 07MAC3 | (ES43) (B) (HEATER) |
|--------------------------|---|---|-----------------|-------------------|-----------------------|--|------------------------------|
| 455 | △ 8-733-571-15 P | ICTURE TUBE 07MXC2 (R) (HEA | (TER) (ES43) | 460 | △ 8-733-576-15 | PICTURE TUBE 07MAC4 | (ES48, ES53) (B) (HEATER) |
| 455 | ↑ 8-733-572-15 P | ICTURE TUBE 07MXC3 (R) (HEA | | 461 | | ZB BOARD, COMPLETE | (ES61) 454 |
| | | (ES48) | , ES53) | | | - , | 404 |
| 455 | | | (ES61) | 462 463 | 4-373-137-01 | CB BOARD, COMPLETE CAP (Z), RUBBER | |
| 456 456 | | ENS (LINNIT POINT 6) (ES61) ENS (DELTA 78) (EXCEPT ES61) |) | 464 465 | | BLOCK ASSY, HIGH-VOL' HOLDER, HVR | TAGE |
| 457 | △ 8-733-570-15 P | ICTURE TUBE 07MXC2 (G) (HEA | ATER) | 466 | * 4-066-135-01 | STAY (R), SIDE | |
| 458 | * A-1391-026-A Z | G BOARD, COMPLETE | 454 | 467 | * 4-066-134-01 | STAY (L), SIDE | |

ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

SECTION 9 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

The components identified by \blacksquare in this • Items marked " * " are not stocked since manual have been carefully factoryselected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

· All variable and adjustable resistors have characteristic curve B, unless otherwise • There are some cases the reference noted.

- · All resistors are in ohms
- F : nonflammable

RESISTORS

- they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS PF: μμF
- number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

| REF.NO. | PART NO. | DESCRIPTION | l | REI | MARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|---|--|--|----------------------------------|--|----------------|----------------------------------|---|--|---|------------|----------------|
| , | * A-1372-787-A | H1 BOARD, CO | (ES | 48, ES53 | 3, ES61) | R3108 R3109 R3110 | 1-216-049-91 1-208-806-11 1-216-295-91 | METAL CHIP | 1K 10K 0 | 5% 0.5% | 1/10W 1/10W |
| , | * 4-072-004-01 | HOLDER, LED | (D3002) | | | R3111 R3112 R3113 R3115 | 1-216-295-91 1-216-295-91 1-216-033-00 1-208-804-11 | SHORT | 0 0 220 8.2K | | 1/10W 1/10W |
| | <capacitor< td=""><td><></td><td></td><td></td><td></td><td></td><td>. 200 00</td><td> , 0</td><td>0.2.1</td><td>0.070</td><td>.,</td></capacitor<> | <> | | | | | . 200 00 | , 0 | 0.2.1 | 0.070 | ., |
| C3101 | 1-126-157-11 | ELECT | 10μF | 20% 1 | 16V | | <switch></switch> | | | | |
| CN3102 CN3103 | <connector> N3101 *1-564-519-11 PLUG, CONNECTOR 4P N3102 *1-564-525-11 PLUG, CONNECTOR 10P N3103 *1-580-689-11 PIN, CONNECTOR (PC BOARD) 4P N3104 *1-691-291-11 PIN, CONNECTOR (PC BOARD) 5P</connector> | | | | | | 1-692-431-21 1-692-431-21 1-692-431-21 1-692-431-21 | SWITCH, TACT SWITCH, TACT SWITCH, TACT SWITCH, TACT SWITCH, PUSH | IL (PROG – IL (VOL +) IL (VOL –) IL (TV/VIDE | -) EO) | OWER) |
| | <diode></diode> | | | | | * | ' A-1372-803-A | H1 BOARD, CO | | ES43) | |
| D3002 | 8-719-064-11 | DIODE SPR-32 | | ANDBY/ | TIMER) | 4 | [•] 4-072-004-01 | HOLDER, LED (| (D3101) | | |
| | <ic></ic> | | | | | | <capacitor< td=""><td>?></td><td></td><td></td><td></td></capacitor<> | ? > | | | |
| IC3101 | 8-742-205-30 | HYB IC SBX308 | 31-01(30) | | | C3101 | 1-126-157-11 | ELECT | 10µF | 20% | 16V |
| | <transisto< td=""><td>)R></td><td></td><td></td><td></td><td></td><td><connecto< td=""><td>)R></td><td></td><td></td><td></td></connecto<></td></transisto<> |)R> | | | | | <connecto< td=""><td>)R></td><td></td><td></td><td></td></connecto<> |)R> | | | |
| Q3101 Q3102 | | TRANSISTOR 2 TRANSISTOR 2 | | | | CN3102 * | 1-691-291-11 | PIN, CONNECT PIN, CONNECT PLUG, CONNEC | OR (PC BC | | |
| | <resistor></resistor> | | | | | | DIODE | | | | |
| R3101 R3102 R3103 R3104 R3105 | 1-208-780-11 1-208-788-11 1-208-793-11 1-208-798-11 1-216-041-00 | METAL CHIP METAL CHIP METAL CHIP | 820 1.8K 3K 4.7K 470 | 0.5% 1 0.5% 1 0.5% 1 0.5% 1 5% 1 | I/10W I/10W | D3103 | | DIODE SPR-329 | | 'ANDB | Y/TIMER) |
| R3106 | 1-216-037-00 | RES-CHIP | 330 | 5% 1 | I/10W | | <ic></ic> | | | | |
| R3107 | 1-208-806-11 | METAL CHIP | 10K | 0.5% 1 | I/10W | IC3101 | 8-742-205-30 | HYB IC SBX308 | 31-01(30) | | |

H1 H2

| | PART NO. | DESCRIPTION | N | REMARK | REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK |
|---|---|--|------------------------|--|---|---|---|----------------------------------|----------------------|----------------------------------|
| | <transisto< td=""><td>OR></td><td></td><td></td><td></td><td><transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<></td></transisto<> | OR> | | | | <transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<> | OR> | | | |
| Q3101 Q3102 | | TRANSISTOR TRANSISTOR | | | Q3201 | 8-729-120-28 | TRANSISTOR | 2SC1623-L | 5L6 | |
| | <resistor:< td=""><td>></td><td></td><td></td><td></td><td><resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<></td></resistor:<> | > | | | | <resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<> | > | | | |
| R3101 R3102 R3103 R3104 R3105 | 1-216-295-91 1-216-037-00 1-216-295-91 1-216-295-91 1-216-037-00 | SHORT RES-CHIP SHORT SHORT | 0 | 5% 1/10W 5% 1/10W | R3200 R3201 R3202 R3203 R3204 | 1-208-792-11 1-208-785-11 | SHORT METAL CHIP METAL CHIP METAL CHIP METAL CHIP | 0 4.7K 2.7K 1.3K 10K | 0.5% 0.5% | 1/10W 1/10W 1/10W 1/10W |
| R3106 R3107 R3108 R3109 | | | 10K | 5% 1/10W 0.5% 1/10W 0.5% 1/10W | R3205 R3206 R3207 R3208 R3209 | 1-216-295-91 1-216-073-00 1-216-033-00 1-216-033-00 | RES-CHIP RES-CHIP RES-CHIP | 0 10K 220 220 220 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W |
| | | SWITCH, PUSI | | | R3210 R3212 R3213 R3219 | 1-216-033-00 1-216-295-91 1-216-295-91 1-216-033-00 | SHORT SHORT | 220 0 0 220 | 5% 5% | 1/10W 1/10W |
| | * A-1372-788- <i>F</i> | 4 H2 BOARD, C | (ES4 | 8, ES53, ES61) | \$3201 \$3202 \$3203 | 1-572-198-11 | SWITCH, KEYE SWITCH, KEYE SWITCH, KEYE | Board (Me | NU +) | |
| | <capacitoi< td=""><td>R></td><td></td><td></td><td>S3204 S3205</td><td>1-572-198-11</td><td>SWITCH, KEYE SWITCH, KEYE</td><td>BOARD (EN</td><td>TER)</td><td>NVER)</td></capacitoi<> | R> | | | S3204 S3205 | 1-572-198-11 | SWITCH, KEYE SWITCH, KEYE | BOARD (EN | TER) | NVER) |
| C3201 C3202 C3203 C3204 | 1-163-037-11 | ELECT CERAMIC CHII CERAMIC CHII CERAMIC CHII | P 0.022µF P 0.022µF | 20% 16V 10% 50V 10% 50V 10% 50V | \$3206 ******* | ******* | SWITCH, KEYE | ******** OMPLETE (| ****** | OGR) ****** |
| | <connecto< td=""><td>OR></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></connecto<> | OR> | | | | | | | | |
| | | PLUG, CONNE PLUG, CONNE | | | C3201 | <capacitoi< td=""><td>ELECT</td><td>10µF</td><td>20%</td><td></td></capacitoi<> | ELECT | 10µF | 20% | |
| | <diode></diode> | | | | C3202 C3203 C3206 | 1-163-037-11 | CERAMIC CHII CERAMIC CHII CERAMIC CHII | P 0.022µF | 10% 10% 10% | 50V |
| D3203 | 8-719-976-96 | DIODE DTZ4.7 | С | | 00200 | 1 100 007 11 | OLIVIANIO OLIII | 0.022μι | 1070 | 001 |
| | <jack></jack> | | | | | <connecto< td=""><td></td><td></td><td></td><td></td></connecto<> | | | | |
| J3201 | 1-691-293-11 | JACK (HEAD P | PHONE) | | CN3202 | * 1-564-520-11 | PLUG, CONNE PLUG, CONNE PLUG, CONNE | CTOR 5P | | |
| | <chip cone<="" td=""><td>DUCTOR></td><td></td><td></td><td></td><td><diode></diode></td><td></td><td></td><td></td><td></td></chip> | DUCTOR> | | | | <diode></diode> | | | | |
| JR3206 | 1-216-295-91 | SHORT | 0 | | D3207 | | DIODE DTZ4.7 | С | | |
| | <coil></coil> | | | | | 14.01 | | | | |
| L3201 L3202 | 1-414-189-31 1-414-189-31 | | 100μH 100μH | | J3201 J3202 J3203 | 1-565-665-12 | JACK (HEAD P TERMINAL, S 4 PIN JACK BLO | 4P (VIĎEO I | | , |

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

H2 H3 ZR

| REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|---|--|--|-------------------------------------|-----------------------|----------------------------------|----------------------------------|---|--|--|------------------------|--------------------------|
| | <coil></coil> | | | | | | <resistor></resistor> | > | | | |
| L3201 L3202 | | I INDUCTOR I INDUCTOR | 100μH 100μH | | | R3301 R3302 | 1-216-025-00 1-216-025-00 | | 100 100 ****** | 5% 5% ****** | 1/10W 1/10W |
| | <transisto< td=""><td>OR></td><td></td><td></td><td></td><td></td><td>* A-1391-025-A</td><td>X ZR BOARD, CO</td><td></td><td></td><td></td></transisto<> | OR> | | | | | * A-1391-025-A | X ZR BOARD, CO | | | |
| Q3201 | 8-729-120-28 | 3 TRANSISTOR | 2SC1623-L5 | 5L6 | | | | ************ | ***** | | |
| | <resistor:< td=""><td>></td><td></td><td></td><td></td><td></td><td>4-382-854-11</td><td>SCREW (M3X10</td><td>,</td><td>,</td><td>8, Q7409)</td></resistor:<> | > | | | | | 4-382-854-11 | SCREW (M3X10 | , | , | 8, Q7409) |
| R3201 R3202 | | I METAL CHIP I METAL CHIP | 820 1.8K | | 1/10W 1/10W | | <capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<> | ₹> | | | |
| R3203 R3204 R3205 | 1-208-793-11 1-208-798-11 | METAL CHIP METAL CHIP METAL CHIP | 3K 4.7K 8.2K | 0.5% 0.5% | 1/10W 1/10W 1/10W | C7401 C7402 C7403 C7404 | 1-163-021-91 1-163-021-91 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.01μF 0.01μF | 10% | 25V 50V 50V 16V |
| R3206 R3207 | | I METAL CHIP I METAL CHIP | 4.7K 2.7K | | 1/10W 1/10W | C7404 C7405 | 1-104-664-11 1-163-021-91 | CERAMIC CHIP | 47μF ' 0.01μF | | 50V |
| R3208 R3209 R3210 | 1-208-806-11 1-216-295-91 | | 1.3K 10K 0 | | 1/10W 1/10W | C7406 C7407 C7408 C7409 | 1-104-989-91 1-104-989-91 1-107-667-11 | MYLAR ELECT | 0.01µF 0.0022µF 0.0022µF 2.2µF 0.001µF | 10% 20% | 200V 200V |
| R3211 R3212 R3213 R3214 R3215 | 1-216-295-91 1-216-073-00 1-216-033-00 1-216-033-00 |) RES-CHIP) RES-CHIP) RES-CHIP | 0 10K 220 220 220 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | C7410 C7411 C7412 C7413 | 1-130-471-00 1-130-471-00 1-107-364-11 1-126-968-11 | MYLAR MYLAR | 0.001µF 0.001µF 0.01µF 100µF | 5% 5% 10% 20% | 50V 200V |
| R3216 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | C7414 C7415 | 1-126-968-11 1-107-645-11 | ELECT | 100μF 22μF | 20% | |
| R3217 R3218 R3219 | 1-216-025-91 1-216-025-91 1-216-033-00 | RES-CHIP | 100 100 220 | 5% 5% 5% | 1/10W 1/10W 1/10W | C7416 C7418 | 1-161-830-00 1-126-935-11 | | 0.0047μF 470μF | 20% | 500V 6.3V |
| | <switch></switch> | | | | | | <connecto< td=""><td>DR></td><td></td><td></td><td></td></connecto<> | DR> | | | |
| S3201 S3202 S3203 S3204 S3205 | 1-572-198-11 1-572-198-11 1-572-198-11 | I SWITCH, KEYE I SWITCH, KEYE I SWITCH, KEYE I SWITCH, KEYE I SWITCH, KEYE | BOARD (PR BOARD (VO BOARD (VO | OG –) L +) L –) |) | CN7403 CN7404 | * 1-564-518-11 * 1-564-507-11 | PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PIN, CONNECT | CTOR 3P CTOR 4P | R) | |
| S3206 S3207 | | I SWITCH, KEYE I SWITCH, KEYE | | | | | <diode></diode> | | | | |
| \$3208 \$3209 \$3210 | 1-572-198-11 1-572-198-11 | I SWITCH, KEYE I SWITCH, KEYE I SWITCH, KEYE | BOARD (ME BOARD (EN | NU –) TER) | NVER) | D7401 D7403 D7404 | 8-719-921-86 | DIODE 1SS355 DIODE MTZJ-13 DIODE MTZJ-13 | 3 | | |
| S3211 ******* | 1-572-198-11 ****** | SWITCH, KEYE | BOARD (AU | TO PR | OGR) ****** | | <connecto< td=""><td>DR></td><td></td><td></td><td></td></connecto<> | DR> | | | |
| • | * A-1372-789- <i>/</i> | A H3 BOARD, C | (ES | 48, ES | 53, ES61) | DY7401 | ∆1-451-476-21 | DEFLECTION Y | OKE (R) | | |
| | | ********** | ***** | | | | <coil></coil> | | | | |
| CN3301 | <capacito * 1-564-526-31</capacito | R> I PLUG, CONNE | CTOR 11P | | | L7401 L7402 | 1-412-911-11 1-414-187-11 | | 0μH 47μH | | |
| | | • | | | | | <transisto< td=""><td>DR></td><td></td><td></td><td></td></transisto<> | DR> | | | |
| J3301 | <jack> 1-568-807-21</jack> | I TERMINAL BLO | OCK, (S) 4P | (VIDE | O IN 4) | Q7401 Q7402 | | TRANSISTOR 2 TRANSISTOR 2 | | | R |

ZR ZG

| REF.NO. | PART NO. | DESCRIPTION | <u> </u> | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMAR |
|------------------|--|--------------|----------------|----------|---------------|----------------|---|-------------------------------|-------------|--------|------|
| Q7403 | 8-729-120-28 | TRANSISTOR 2 | SC1623-L5 | iL6 | | C7606 | 1-104-989-91 | MYLAR | 0.0022µF | 10% | 200V |
| Q7404 | | TRANSISTOR 2 | | | R | C7607 | 1-107-667-11 | | 2.2µF | 20% | |
| Q7405 | 8-729-120-28 | TRANSISTOR 2 | SC1623-L5 | L6 | | C7608 | 1-130-471-00 | MYLAR | 0.001µF | 5% | 50V |
| | | | | | | C7609 | 1-130-471-00 | MYLAR | 0.001µF | 5% | 50V |
| Q7406 | | TRANSISTOR 2 | | | | C7610 | 1-163-021-91 | CERAMIC CHIP | | 10% | 50V |
| 27407 | 8-729-423-33 | TRANSISTOR 2 | SC3311A-0 | QRSTA | ١ | | | | | | |
| 27408 | 8-729-045-04 | TRANSISTOR 2 | SC5511 | | | C7611 | 1-163-021-91 | CERAMIC CHIP | 0.01μF | 10% | 50V |
| Q7409 | 8-729-045-05 | TRANSISTOR 2 | SA2005 | | | C7612 | 1-107-364-11 | | 0.01µF | | 200\ |
| 27410 | 8-729-120-28 | TRANSISTOR 2 | SC1623-L5 | L6 | | C7613 | 1-126-968-11 | ELECT | 100µF | 20% | 50V |
| | | | | | | C7614 | 1-126-968-11 | | 100µF | 20% | 50V |
| | <resistor></resistor> | • | | | | C7615 | 1-107-645-11 | ELECT | 22µF | 20% | 200V |
| | | | | | | C7616 | 1-161-830-00 | CERAMIC | 0.0047µF | | 500V |
| R7401 | 1-208-790-11 | METAL CHIP | 2.2K | 0.5% | 1/10W | C7617 | 1-106-220-00 | | 0.1µF | 10% | 100V |
| R7402 | 1-208-800-11 | METAL CHIP | 5.6K | 0.5% | 1/10W | C7618 | 1-106-220-00 | MYLAR | 0.1µF | | 100V |
| R7403 | 1-208-806-11 | METAL CHIP | 10K | 0.5% | 1/10W | C7620 | 1-126-935-11 | ELECT | 470µF | 20% | 6.3V |
| R7404 | 1-208-806-11 | METAL CHIP | 10K | 0.5% | 1/10W | C7621 | 1-126-960-11 | ELECT | 1μF | 20% | 50V |
| R7405 | 1-216-475-11 | METAL OXIDE | 120 | 5% | 3W | | | | • | | |
| R7406 | 1-216-073-00 | | 10K | 5% | 1/10W | | <connecto< td=""><td>)R></td><td></td><td></td><td></td></connecto<> |)R> | | | |
| R7407 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | | | | | | |
| R7408 | | | 120 | 5% | 3W | | | PLUG, CONNEC | | | |
| R7409 | 1-216-009-91 | | 22 | 5% | 1/10W | | | PLUG, CONNEC | | | |
| R7410 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | | | PLUG, CONNEC | | | |
| | | | | | | | | PLUG, CONNEC | | | |
| R7411 | 1-249-414-11 | | 560 | 5% | 1/4W | CN7605 | * 1-564-506-11 | PLUG, CONNEC | CTOR 3P | | |
| R7412 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | | | | | | |
| R7413 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | CN7606 | * 1-580-689-11 | PIN, CONNECT | OR (PC BC | ARD) | 4P |
| 7414 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | CN7607 | * 1-564-506-11 | PLUG, CONNEC | CTOR 3P | | |
| R7415 | 1-216-049-91 | , | | | | | | | | | |
| R7416 | 1-216-001-00 | RES-CHIP | 10 | 5% | 1/10W | 0117003 | 1 000 010 11 | TAB (CONTACT | , | | |
| R7417 | 1-249-414-11 | | 560 | 5% | 1/4W | | | | | | |
| R7418 | 1-216-001-00 | | 10 | 5% | 1/10W | | <diode></diode> | | | | |
| R7419 | 1-249-415-11 | | 680 | 5% | 1/4W | | 12.022 | | | | |
| R7420 | 1-249-433-11 | | 22K | 5% | 1/4W | D7601 | | DIODE MTZJ-13 | | | |
| R7421 | 1-249-433-11 | CADDON | 22K | 5% | 1/4W | D7602 D7603 | | DIODE MTZJ-13 DIODE 1SS355 | | | |
| R7421 | | | 680 | 5% 5% | 1/4VV 1/4W | D7003 | 0-7 19-900-01 | DIODE 199999 | 1 = - 17 | | |
| | 1-249-415-11 | | | | | | | | | | |
| R7423 | 1-249-417-11 | | 1K | 5% | 1/4W | | CONNECTO | ND. | | | |
| R7424 R7425 | 1-249-405-11 | | 100 | 5% | 1/4W | | <connecto< td=""><td>JK></td><td></td><td></td><td></td></connecto<> | JK> | | | |
| (7425 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | DY7601/ | ¹ √1-451-476-21 | DEFLECTION Y | OKE (G) | | |
| R7426 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | 2770012 | | | J. (U) | | |
| R7427 | 1-249-405-11 | | 100 | 5% | 1/4W | | | | | | |
| R7428 | | METAL OXIDE | 220 | 5% | 3W | | <coil></coil> | | | | |
| R7431 | 1-216-049-91 | | 1K | 5% | 1/10W | | | | | | |
| R7432 | 1-216-025-91 | | 100 | 5% | 1/10W | L7601 L7602 | 1-412-911-11 1-414-187-11 | | 0μH 47μH | | |
| R7433 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | L1002 | 1-414-10/-11 | II VOO I OR | +1 μι ι | | |
| R7434 ******* | 1-216-295-91 | SHORT | 0 | ***** | ***** | | <transisto< td=""><td>)R></td><td></td><td></td><td></td></transisto<> |)R> | | | |
| | | 70 00155 53 | === | | | 0==== | | | .004555 | | |
| * | · A-1391-026-A | ZG BOARD, CO | | | | Q7601 | | TRANSISTOR 2 | | | |
| | | | | | | Q7602 | | TRANSISTOR 2 | | | |
| | | | | | | Q7603 | | TRANSISTOR 2 | | | |
| | 4.000.05 | 0005111/2151 | o) D 0 | , | | Q7604 | | TRANSISTOR 2 | | | R |
| | 4-382-854-11 | SCREW (M3X1) | U), P, SW (+ | | 8, Q7609) | Q7605 | 8-729-120-28 | TRANSISTOR 2 | SC1623-L5 | L6 | |
| | | | | , | / | Q7606 | 8-729-026-49 | TRANSISTOR 2 | SA1037AK | -T146- | R |
| | <capacitof< td=""><td>₹></td><td></td><td></td><td></td><td>Q7607</td><td>8-729-120-28</td><td>TRANSISTOR 2</td><td>SC1623-L5</td><td></td><td></td></capacitof<> | ₹> | | | | Q7607 | 8-729-120-28 | TRANSISTOR 2 | SC1623-L5 | | |
| 27004 | 4 400 004 04 | OEDANIO OLUE | 0.04.5 | 4007 | E0) / | Q7608 | | TRANSISTOR 2 | | | |
| 27601 | | CERAMIC CHIP | | 10% | | Q7609 | | TRANSISTOR 2 | | | |
| 7602 | | CERAMIC CHIP | • | 10% | | Q7610 | 8-729-120-28 | TRANSISTOR 2 | SC1623-L5 | L6 | |
| 7603 | | CERAMIC CHIP | | 000 | 25V | | | | | | |
| 27604 | 1-104-664-11 | ELECT | 47µF | 20% | 16V | 1 | | | | | |
| C7605 | 1-104-989-91 | 1 4) /I A D | $0.0022 \mu F$ | 4000 | 200V | | | | | | |

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

ZG ZB

| REF.NO. | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|---|--|--|---|----------------------------|---|---|--|--|-----------------------------------|----------------------------|---|
| | <resistor:< td=""><td>></td><td></td><td></td><td></td><td>C7815</td><td>1-107-645-11</td><td>ELECT</td><td>22µF</td><td>20%</td><td>200V</td></resistor:<> | > | | | | C7815 | 1-107-645-11 | ELECT | 22µF | 20% | 200V |
| R7601 R7602 R7603 | 1-208-790-11 1-208-800-11 | METAL CHIP METAL CHIP METAL CHIP | 10K 2.2K 5.6K | 0.5% 0.5% | 1/10W 1/10W 1/10W | C7816 C7818 | 1-161-830-00 1-126-935-11 | - | 0.0047μF 470μF | 20% | 500V 6.3V |
| R7604 R7605 | | METAL CHIP METAL OXIDE | 10K 120 | 0.5% 5% | 1/10W 3W | | <connecto< td=""><td>)R></td><td></td><td></td><td></td></connecto<> |)R> | | | |
| R7606 R7607 R7608 R7609 R7610 | 1-216-033-00 1-216-033-00 1-249-393-11 1-216-001-00 1-249-385-11 | RES-CHIP CARBON RES-CHIP | 220 220 10 10 2.2 | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/4W 1/10W 1/4W | CN7802 ³ CN7803 ³ CN7804 ³ | * 1-564-507-11 * 1-564-506-11 * 1-580-844-11 | PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PIN, CONNECT PLUG, CONNEC | CTOR 4P CTOR 3P OR (POWE | R) | |
| R7611 R7612 R7613 R7614 R7615 | 1-216-475-11 1-249-414-11 1-216-073-00 1-249-414-11 1-249-415-11 | RES-CHIP CARBON CARBON | 120 560 10K 560 680 | 5% 5% 5% 5% 5% | 3W 1/4W 1/10W 1/4W 1/4W | D7801 D7802 D7803 | 8-719-921-86 | DIODE MTZJ-1; DIODE MTZJ-1; DIODE 1SS355 | 3 | | |
| R7617 R7618 R7619 | 1-249-433-11 1-249-415-11 1-216-009-91 | CARBON CARBON | 22K 680 22 | 5% 5% 5% | 1/4W 1/4W 1/10W | | <connecto< td=""><td>)R></td><td></td><td></td><td></td></connecto<> |)R> | | | |
| R7620 | 1-216-009-91 | | 22 | 5% | 1/10W | DY7801₫ | ∆1-451-476-21 | DEFLECTION Y | OKE (B) | | |
| R7621 R7622 R7623 | 1-249-417-11 1-216-049-91 1-216-049-91 | RES-CHIP | 1K 1K 1K | 5% 5% 5% | 1/4W 1/10W 1/10W | | <coil></coil> | | | | |
| R7624 R7625 | 1-249-405-11 1-249-385-11 | CARBON | 100 2.2 | 5% 5% | 1/4W 1/4W | L7801 L7802 | 1-412-911-11 1-414-187-11 | | 0μH 47μH | | |
| R7626 R7627 R7628 | | CARBON METAL OXIDE | 2.2 100 220 | 5% 5% 5% | 1/4W 1/4W 3W | | <transisto< td=""><td>)R></td><td></td><td></td><td></td></transisto<> |)R> | | | |
| R7631 R7632 | 1-216-049-91 1-216-025-91 | RES-CHIP | 1K 100 | 5% 5% | 1/10W 1/10W | Q7801 Q7802 Q7803 | 8-729-119-76 8-729-423-33 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 | 2SA1175-HF 2SC3311A-0 | E QRSTA | |
| R7633 R7634 | 1-216-009-91 1-216-295-91 | SHORT | 22 0 ****** | 5% ****** | 1/10W ****** | Q7804 Q7805 | | TRANSISTOR 2 TRANSISTOR 2 | | | ₹ |
| * | * A-1391-027- <i>A</i> | A ZB BOARD, CC | | | | Q7806 Q7807 Q7808 Q7809 Q7810 | 8-729-120-28 8-729-045-04 8-729-045-05 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 | 2SC1623-L5 2SC5511 2SA2005 | L6 | 3 |
| | 4-382-854-11 | SCREW (M3X10 | , | , | 3, Q7809) | 1.5.0 | | | | | |
| | <capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>D7004</td><td><resistor></resistor></td><td></td><td>101/</td><td>0.50/</td><td>4/40\\/</td></capacitor<> | ₹> | | | | D7004 | <resistor></resistor> | | 101/ | 0.50/ | 4/40\\/ |
| C7801 C7802 C7803 C7804 C7805 | 1-163-021-91 | | 0.01µF | 10% 10% 20% | 50V 25V | R7801 R7802 R7803 R7804 R7805 | 1-208-790-11 1-208-800-11 | METAL CHIP METAL CHIP METAL CHIP METAL CHIP RES-CHIP | 10K 2.2K 5.6K 10K 220 | 0.5% 0.5% | 1/10W 1/10W 1/10W 1/10W 1/10W |
| C7806 C7807 C7808 C7809 C7810 | 1-104-989-91 1-107-667-11 1-130-471-00 1-130-471-00 | MYLAR ELECT MYLAR | 0.0022µF 2.2µF 0.001µF 0.001µF | 10% | 200V 160V 50V 50V | R7806 R7807 R7808 R7809 R7810 | 1-216-033-00 1-216-475-11 1-216-001-00 1-216-001-00 1-249-385-11 | METAL OXIDE RES-CHIP RES-CHIP | 220 120 10 10 2.2 | 5% 5% 5% 5% 5% | 1/10W 3W 1/10W 1/10W 1/4W |
| C7811 C7812 C7813 C7814 | | CERAMIC CHIP MYLAR ELECT | · | 10% | 50V 200V 50V | R7811 R7812 R7813 R7814 R7815 | 1-216-475-11 1-216-073-00 1-249-414-11 1-216-009-91 1-216-009-91 | CARBON RES-CHIP | 120 10K 560 22 22 | 5% 5% 5% 5% 5% | 3W 1/10W 1/4W 1/10W 1/10W |

ZB CR

| C7107 | <u> </u> | |] | | | | | | | | | |
|--|--------------|---|----------------|-------------|--------|--------|---------|---|-----------------|-----------|-------------|----------------|
| R7816 | F.NO. | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | ı | R | EMARK |
| R7819 | 816 · | 1-249-414-11 | CARBON | 560 | 5% | 1/4W | | <ic></ic> | | | | |
| R7819 1-249-431-11 CARBON 22K 5% 14W | | 1-249-415-11 | CARBON | | 5% | 1/4W | | | | | | |
| R7820 1-249-415-11 CARBON 680 5% 1/4W | | | | | | | IC7101 | 8-759-360-83 | 3 IC TDA6111Q/N | 14 | | |
| R7821 | | | - | | | | | | | | | |
| R7821 1-249-417-11 CARBON 1K 5% 1/4W R7822 1-216-049-91 RES-CHIP 1K 5% 1/10W R7823 1-216-049-91 RES-CHIP 1K 5% 1/10W R7824 1-249-085-11 CARBON 10 5% 1/4W R7825 1-249-385-11 CARBON 2.2 5% 1/4W COIL> R7826 1-249-385-11 CARBON 2.2 5% 1/4W L7102 1-414-223-11 INDUCTOR 47µH R7828 1-249-938-11 CARBON 2.2 5% 1/4W L7102 1-414-223-11 INDUCTOR 47µH R7828 1-216-049-91 RES-CHIP 1K 5% 1/10W L7104 1-414-181-11 INDUCTOR 47µH R7831 1-216-049-91 RES-CHIP 1K 5% 1/10W L7104 1-414-181-11 INDUCTOR 47µH R7832 1-216-049-91 RES-CHIP 1K 5% 1/10W L7104 1-414-181-11 INDUCTOR 47µH R7833 1-216-049-91 RES-CHIP 1K 5% 1/10W L7104 1- | 820 <i>°</i> | 1-249-415-11 | CARBON | 680 | 5% | 1/4VV | | <.IACK> | | | | |
| R7823 1-216-049-91 RES-CHIP 1K 5% 1/10W R7825 1-249-385-11 CARBON 100 5% 1/4W R7825 1-249-385-11 CARBON 2.2 5% 1/4W R7825 1-249-385-11 CARBON 2.2 5% 1/4W R7827 1-249-385-11 CARBON 2.2 5% 1/4W R7828 1-215-913-11 METAL CXIDE 220 5% 3W L7102 1-414-181-11 INDUCTOR 47µH L7103 1-414-181-11 INDUCTOR 47µH L7103 1-414-181-11 INDUCTOR 47µH L7103 1-414-181-11 INDUCTOR 47µH L7103 1-414-181-11 INDUCTOR 47µH L7104 1-414-187-11 INDUCTOR 47µH L7104 L71 | 821 · | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | | 20/10/12 | | | | |
| R7826 | | 1-216-049-91 | RES-CHIP | | | | J7101 △ | 1-251-182-41 | I SOCKET, PICT | URE TUBE | | |
| R7825 1-249-385-11 CARBON 2.2 5% 1/4W | | | | | | | | | | | | |
| R7826 1-249-385-11 CARBON 22 5% 1/4W 1/102 1-414-22-11 INDUCTOR 47µH 47µH 1/478-21 1/47 | | | | | | | | <coii></coii> | | | | |
| R7827 -249-405-11 CARBON 100 5% 1/4W 1-414-181-11 INDUCTOR 4.7μH 1-416-181-11 | 020 | 1 240 000 11 | O/ II (BOI) | 2.2 | 070 | 17-TVV | | (OOIL) | | | | |
| R7828 1-216-919-11 METAL OXIDE 22 5% 1/10W 7/10W | | | | | | | 1 | | | | | |
| R7831 1-216-049-91 RES-CHIP 1K 5% 1/10W R7832 1-216-025-91 RES-CHIP 100 5% 1/10W R7833 1-216-009-91 RES-CHIP 22 5% 1/10W R7834 1-216-295-91 SHORT 0 | | | | | | | 1 | | | | | |
| R7832 1-216-025-91 RES-CHIP 100 5% 1/10W | | | | | | | L/104 | 1-414-187-11 | INDUCTOR | 4/μΗ | | |
| R7833 1-216-099-91 RES-CHIP 22 5% 1/10W R7834 1-216-295-91 SHORT 0 | | | | | | | | | | | | |
| N.17101 1-576-334-21 GAP, SPARK N.17102 1-576-334-21 GAP, SPARK N.17103 1-576-334-21 GAP, SPARK N.17104 1-576-334-21 GAP, SPARK N.17105 1-576-334-21 GAP, SPARK N.17104 1-576-354-21 GAP, SPARK N.17104 1-576-354-11 GAP, SPARK N.17104 1-576-354-11 GAP, SPARK N.17104 1-576-354-11 GAP, | 032 | 1 2 10 020 01 | KEO OI III | 100 | 370 | 1/1000 | | <neon lam<="" td=""><td>P></td><td></td><td></td><td></td></neon> | P> | | | |
| *A-1332-037-A CR BOARD, COMPLETE | 833 | 1-216-009-91 | RES-CHIP | | 5% | 1/10W | | | | | | |
| *A-1332-037-A CR BOARD, COMPLETE *A-382-854-01 SCREW (M3X8), P, SW (+) (IC7101) *A-162-115-00 CERAMIC *A-382-854-01 SCREW (M3X8), P, SW (+) (IC7101) *A-162-115-00 CERAMIC *A-382-854-01 SCREW (M3X8), P, SW (+) (IC7101) *A-162-115-00 CERAMIC *A-382-854-01 SCREW (M3X8), P, SW (+) (IC7101) *A-162-115-00 CERAMIC *A-382-854-11 ELECT *A-382-854-11 ELECT *A-382-854-11 ELECT *A-382-854-11 ELECT *A-382-854-11 CARBON *A-162-115-00 CERAMIC *A-382-854-11 CARBON *A-729-026-49 TRANSISTOR 2SA1037AK-T14 *A-729-026-49 TRANSISTOR *A-1332-026-49 TRANSISTOR *A-1332-026-49 TRANSISTOR *A-1332-026-49 TRANSISTOR *A-1332-026-49 TRANSISTOR *A-1332-026-49 TRANSISTOR *A-1303-714 ELECT *A-106-115-11 CARBON *A-729-026-49 TRANSISTOR *A-103-11 | | | | - | | | 1 | | | | | |
| *A-1332-037-A CR BOARD, COMPLETE 4-382-854-01 SCREW (M3X8), P, SW (+) (IC7101) *CAPACITOR> *CAPACITOR *CAPACITO | ***** | ***** | ***** | ***** | ***** | ***** | 1 | | | | | |
| 4-382-854-01 SCREW (M3X8), P, SW (+) (IC7101) CAPACITOR> CAPACITOR> CAPACITOR> C7102 1-162-115-00 CERAMIC 330pF 10% 2KV C7103 1-107-652-11 ELECT 10μF 20% 250V C7105 1-162-115-00 CERAMIC 330pF 10% 2KV C7106 1-163-038-91 CERAMIC CHIP 0.1μF 25V C7107 1-163-038-91 CERAMIC CHIP 0.1μF 25V C7108 1-162-95-11 ELECT 270μF 270% 2700 2710 1-162-95-11 ELECT 270μF 270% 2710 1-163-038-91 CERAMIC CHIP 0.1μF 270% 2700 2710 27 | * | Δ_1332_037_Δ | CR BOARD CO | OMPLETE | | | | | | | | |
| CAPACITOR> Q7101 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-255-12 TRANSISTOR 2SC2551-O Q7104 8-729-026-49 TRANSISTOR 2SC2551-O Q7104 8-729-026-49 TRANSISTOR 2SC2551-O Q7104 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7104 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7104 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7104 8-729-026-49 TRANSISTOR 2SA103A | , | A 1002 001 A | | | | | 1 | | , | | | |
| CAPACITOR> Q7101 8-729-026-49 TRANSISTOR 2SA1037AK-T14 C7102 1-162-115-00 CERAMIC 330pF 10% 2KV Q7103 8-729-026-49 TRANSISTOR 2SC2551-O Q7104 8-729-026-49 TRANSISTOR 2SC2551-O Q7104 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7104 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7104 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7104 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7103 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7104 8-729-026-49 TRANSISTOR 2SA1037AK-T14 Q7104 8-729-026-49 TRANSISTOR 2SA103AK-T14 <td></td> | | | | | | | | | | | | |
| C7102 1-162-115-00 CERAMIC 330pF 10% 2KV C7103 1-107-652-11 ELECT 10µF 20% 250V C7104 1-126-768-11 ELECT 2200µF 20% 16V C7105 1-162-115-00 CERAMIC CHIP 0.1µF 25V C7104 1-163-038-91 CERAMIC CHIP 0.1µF 20% 50V C7105 1-163-038-91 CERAMIC CHIP 0.04µF 20% 50V C7106 1-163-038-91 CERAMIC CHIP 0.04µF 20% 50V C7107 1-163-038-91 CERAMIC CHIP 0.04µF 20% 50V C7108 1-126-967-11 ELECT 47µF 20% 50V C7110 1-102-050-00 CERAMIC 0.0047µF 500V C7110 1-103-038-91 CERAMIC CHIP 7PF 0.25pF 50V C7110 1-103-038-91 CERAMIC CHIP 7PF 0.25pF 50V C7110 1-103-038-91 CERAMIC 0.0047µF 500V C7110 1-103-050-00 CERAMIC 0.0047µF 500V C7111 1-1618-30-00 CERAMIC 0.0047µF 500V C7112 1-163-224-11 CERAMIC CHIP 7PF 0.25pF 50V C7112 1-163-224-11 CERAMIC CHIP 7PF 0.25pF 50V C7118 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C7118 1-164-504-11 CERAMIC CHIP 0.1µF 10% 25V C7118 1-164-504-11 CERAMIC CHIP 0.1µF 10% 25V C7110 1-208-808-11 METAL CHIP 12K 0.5 C7116 1-107-957-11 ELECT 47µF 20% 250V C7110 1-208-808-11 METAL CHIP 12K 0.5 C7116 1-163-324-11 CARBON 3.9K 5% C7118 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C7110 1-208-808-11 METAL CHIP 12K 0.5 C7110 1-564-512-11 PLUG, CONNECTOR 9P CN7102 1-564-512-11 PLUG, CONNECTOR 9P CN7103 1-564-512-11 PLUG, CONNECTOR 9P CN7103 1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) CN7107 1-695-915-11 TAB (CONTACT) CN7107 1-695-915-11 TAB (CONTACT) CN7107 1-695-915-11 TAB (CONTACT) CN7107 1-208-808-11 METAL CHIP 14K 0.5 CN7107 1-208-808-11 | 4 | 4-382-854-01 | SCREW (M3X8) | , P, SW (+) | (IC710 | 01) | | <transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<> | OR> | | | |
| C7102 1-162-115-00 CERAMIC 330pF 10% 2KV C7103 1-107-652-11 ELECT 10µF 20% 250V C7104 1-126-768-11 ELECT 2200µF 20% 16V C7105 1-162-115-00 CERAMIC 330pF 10% 2KV C7105 1-162-115-00 CERAMIC 330pF 10% 2KV C7106 1-163-038-91 CERAMIC CHIP 0.1µF 25V C7108 1-126-967-11 ELECT 47µF 20% 50V C7108 1-126-967-11 ELECT 47µF 20% 50V C7110 1-163-038-91 CERAMIC CHIP 0.1µF 50V C7110 1-163-038-91 CERAMIC 0.041µF 99% 500V C7110 1-163-038-91 CERAMIC 0.041µF 99% 500V C7110 1-163-038-91 CERAMIC 0.041µF 50V C7110 1-162-967-11 ELECT 47µF 20% 50V C7110 1-163-830-00 CERAMIC 0.041µF 50V C7111 1-161-830-00 CERAMIC 0.041µF 50V C7111 1-161-830-00 CERAMIC 0.041µF 50V C7112 1-163-224-11 CERAMIC CHIP 7P 0.25pF 50V C7118 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C7118 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C7118 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C7110 1-208-808-11 METAL CHIP 12K 0.5 C7116 1-107-957-11 ELECT 1µF 20% 25V C7110 1-208-808-11 METAL CHIP 12K 0.5 C7110 1-564-512-11 PLUG, CONNECTOR 9P CN7102 1-564-512-11 PLUG, CONNECTOR 9P CN7102 1-564-512-11 PLUG, CONNECTOR 9P CN7103 1-564-512-11 PLUG, CONNECTOR 9P CN7103 1-564-512-11 PLUG, CONNECTOR 9P CN7107 1-695-915-11 TAB (CONTACT) CN7107 1-695-915-11 TAB (CONTACT) CN7107 1-695-915-11 TAB (CONTACT) CN7107 1-695-915-11 TAB (CONTACT) CN7107 1-79901-83 DIODE 1SS83 C7108 8-719-901-83 DIODE 1SS83 C7108 8-719-901-83 DIODE 1SS83 C7108 C7128 1-226-818-11 METAL CHIP 10K 5% 57129-901-83 DIODE 1SS83 C7108 C7102 1-216-037-00 RES-CHIP 10K 5% 57129-901-83 DIODE 1SS83 C7108 C7102 1-216-037-00 RES-CHIP 10K 5% 5712-11 CARBON 10K 5% 5712-11 CARBON 20K | | <capacitor< td=""><td><></td><td></td><td></td><td></td><td>Q7101</td><td>8-729-026-49</td><td>TRANSISTOR 2</td><td>2SA1037AK</td><td>-T146-I</td><td>R</td></capacitor<> | <> | | | | Q7101 | 8-729-026-49 | TRANSISTOR 2 | 2SA1037AK | -T146-I | R |
| C7103 | | | | | | | | | | | | |
| C7104 | | 1-162-115-00 | CERAMIC | | | | Q7104 | 8-729-026-49 | TRANSISTOR 2 | 2SA1037AK | -T146-l | R |
| C7105 1-162-115-00 CERAMIC 330pF 10% 2KV C7106 1-163-038-91 CERAMIC CHIP 0.1μF 25V R7101 1-260-132-11 CARBON 560K 5% R7102 1-249-389-11 CARBON 4.7 5% R7102 1-249-389-11 CARBON 4.7 5% R7101 1-163-038-91 CERAMIC CHIP 0.1μF 20% 50V R7103 1-216-295-91 SHORT 0 R7105 1-260-117-11 CARBON 33K 5% R7111 1-161-830-00 CERAMIC 0.0047μF 500V R7105 1-260-117-11 CARBON 100 5% R7101 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V R7106 1-219-743-11 CARBON 100 5% R7101 1-163-224-11 CERAMIC CHIP 0.1μF 10% 25V R7108 1-260-133-11 CARBON 680K 5% R7108 1-260-133-11 CARBON 680K 5% R7108 1-260-133-11 CARBON 680K 5% R7101 1-208-801-11 METAL CHIP 12K 0.5 R7110 1-208-790-11 METAL CHIP 12K 0.5 R7110 1-208-790-11 METAL CHIP 12K 0.5 R7111 1-216-033-00 RES-CHIP 2.2 K 0.5 R7111 1-216-033-00 RES-CHIP 2.2 K 0.5 R7111 1-216-033-00 RES-CHIP 2.2 K 0.5 R7111 1-216-039-91 SHORT 0 CN7102 *1-564-510-11 PLUG, CONNECTOR 9P R7114 1-216-660-11 METAL CHIP 14K 0.5 R7115 1-208-782-11 METAL CHIP 14K 0.5 R7115 1-208-093-11 CARBON 100 5% R7119 1-260-093-11 CARBON 100 5% R7119 100 8-208-808-11 METAL CHIP 100 5% R7119 1-260- | | | | | | | | | | | | |
| C7106 | | | | • | | | | -DECICEOD | _ | | | |
| C7107 | | | | | 10% | | | <resistor< td=""><td>></td><td></td><td></td><td></td></resistor<> | > | | | |
| C71108 | | | | - 1 | | | R7101 | 1-260-132-11 | CARBON | 560K | 5% | 1/2W |
| C7110 1-102-050-00 CERAMIC 0.01μF 99% 500V C7111 1-161-830-00 CERAMIC 0.0047μF 500V R7106 1-219-743-11 CARBON 100 5% R7101 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V R7106 1-219-743-11 CARBON 100 5% R7107 1-208-801-11 METAL CHIP 6.2K 0.5 R7108 1-260-133-11 CARBON 680K 5% R7108 1-260-133-11 CARBON 680K 5% R7108 1-260-133-11 CARBON 680K 5% R7110 1-208-790-11 METAL CHIP 12K 0.5 R7111 1-216-033-00 RES-CHIP 220 5% R7111 1-216-033-00 RES-CHIP 220 5% R7111 1-260-039-01 METAL CHIP 2.4K 0.5 R7112 1-249-424-11 CARBON 3.9K 5% R7112 1-249-424-11 CARBON 3.9K 5% R7113 1-216-295-91 SHORT 0 R7114 1-216-660-11 METAL CHIP 2.4K 0.5 R7115 1-208-782-11 METAL CHIP 14K 0.5 R7116 1-215-929-11 METAL CHIP 14K 0.5 R7116 1-215-929-11 METAL OXIDE 100K 5% R7119 1-260-093-11 CARBON 16K 5% R7119 1-260-093-11 CARBO | | | | | | | 1 | | | | 5% | 1/4W |
| C7111 1-161-830-00 CERAMIC 0.0047μF 0.25pF 50V C7112 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V C7116 1-107-957-11 ELECT 1μF 20% 250V R7108 1-260-133-11 CARBON 680K 5% C7118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V R7109 1-208-808-11 METAL CHIP 12K 0.5 R7110 1-208-790-11 METAL CHIP 2.2K 0.5 R7111 1-216-033-00 RES-CHIP 2.2D 5% CONNECTOR> CONNECTOR> CN7101 *1-564-512-11 PLUG, CONNECTOR 9P CN7102 *1-564-512-11 PLUG, CONNECTOR 7P CN7103 *1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) CN7102 *8-719-901-83 DIODE 1SS83 C719-901-83 DIODE 1SS83 D7104 8-719-901-83 DIODE 1SS83 C7106 8-719-901-8 | | | | • | | | 1 | | | | 50 / | 4 (0) 4 (|
| C7112 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V C7116 1-107-957-11 ELECT 1μF 20% 250V R7108 1-260-133-11 CARBON 680K 5% C7118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V R7109 1-208-808-11 METAL CHIP 12K 0.5 R7110 1-208-790-11 METAL CHIP 2.2K 0.5 R7111 1-216-033-00 RES-CHIP 220 5% CONNECTOR> CN7101 *1-564-512-11 PLUG, CONNECTOR 9P CN7102 *1-564-510-11 PLUG, CONNECTOR 7P CN7103 *1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) CN7102 8-719-921-86 DIODE MTZJ-13 D7103 8-719-901-83 DIODE 1SS83 P7104 8-719-901-83 DIODE 1SS83 P7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 10K 5% P7126 1-216-073-00 RES-CHIP 10K 5% P7126 8-719-901-83 DIODE 1SS83 P7126 1-208-818-11 METAL CHIP 33K 0.5 | | | | | 99% | | | | | | | 1/2W 1/2W |
| R7107 1-208-801-11 METAL CHIP 6.2K 0.5 | | | | | 0.250 | | K/100 | 1-219-743-11 | CARBON | 100 | 3% | 1/200 |
| C7118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V R7109 1-208-808-11 METAL CHIP 12K 0.5 R7110 1-208-790-11 METAL CHIP 2.2K 0.5 R7111 1-216-033-00 RES-CHIP 220 5% CONNECTOR> CN7101 * 1-564-512-11 PLUG, CONNECTOR 9P R7112 1-249-424-11 CARBON 3.9K 5% R7112 1-249-424-11 CARBON 3.9K 5% R7113 1-216-295-91 SHORT 0 R7113 1-216-660-11 METAL CHIP 2.4K 0.5 R7114 1-216-660-11 METAL CHIP 1 K 0.5 R7115 1-208-782-11 METAL CHIP 1 K 0.5 R7116 1-215-929-11 METAL OXIDE 100K 5% R7117 1-260-093-11 CARBON 330 5% R7118 1-260-093-11 CARBON 100 5% R7118 1-260-093-11 CARBON 100 5% R7119 1-260-093-11 CARBON 1 K 5% R7120 1-216-081-00 RES-CHIP 22K 5% R7120 1-216-025-91 RES-CHIP 100 5% R7120 1-216-025-91 SHORT 0 R7121 1-216-025-91 SHORT 0 R7121 1-216-025-91 SHORT 0 R7121 1-216-025-91 SHORT 0 R7123 1-216-025-91 SHORT 0 R7123 1-216-025-91 SHORT 0 R7124 1-216-073-00 RES-CHIP 10K 5% R7128 1-208-818-11 METAL CHIP 33K 0.5 | | | | | | | R7107 | 1-208-801-11 | I METAL CHIP | 6.2K | 0.5% | 1/10W |
| R7110 | | | | | | | 1 | | | | 5% | 1/2W |
| CONNECTOR> R7111 1-216-033-00 RES-CHIP 220 5% CN7101 *1-564-512-11 PLUG, CONNECTOR 9P R7112 1-249-424-11 CARBON 3.9K 5% CN7102 *1-564-510-11 PLUG, CONNECTOR 7P R7113 1-216-295-91 SHORT 0 CN7103 *1-564-512-11 PLUG, CONNECTOR 9P R7114 1-216-660-11 METAL CHIP 1K 0.5 CN7104 1-785-879-11 CONNECTOR, ONE TOUCH R7115 1-208-782-11 METAL OXIDE 100K 5% CN7107 1-695-915-11 TAB (CONTACT) R7116 1-215-929-11 METAL OXIDE 100K 5% R7118 1-260-093-11 CARBON 330 5% R7118 1-260-093-11 CARBON 100 5% R7119 1-260-099-11 CARBON 1K 5% R7110 1-216-081-00 RES-CHIP 22K 5% D7102 8-719-921-86 DIODE MTZJ-13 R7120 1-216-081-00 RES-CHIP 100 5% D7103 8-719-901-83 DIODE 1SS83 R7123 1-216-295-91 SHORT 0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 3K | 118 | 1-164-004-11 | CERAMIC CHIP | 0.1μF | 10% | 25V | | | | | | 1/10W |
| CONNECTOR> R7112 1-249-424-11 CARBON 3.9K 5% CN7101 *1-564-512-11 PLUG, CONNECTOR 9P R7113 1-216-295-91 SHORT 0 CN7102 *1-564-510-11 PLUG, CONNECTOR 7P R7114 1-216-660-11 METAL CHIP 2.4K 0.5 CN7103 *1-564-512-11 PLUG, CONNECTOR 9P R7115 1-208-782-11 METAL CHIP 1K 0.5 CN7104 1-785-879-11 CONNECTOR, ONE TOUCH R7116 1-215-929-11 METAL OXIDE 100K 5% CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093-11 CARBON 330 5% R7118 1-260-093-11 CARBON 330 5% R7118 1-260-099-11 CARBON 1K 5% R7119 1-260-099-11 CARBON 1K 5% R7110 1-216-081-00 RES-CHIP 22K 5% R7110 1-216-081-00 RES-CHIP 100 5% D7102 8-719-901-83 DIODE 1SS83 R7122 1-216-025-91 RES-CHIP 100 5% D7105 8-719-901-83 DIODE 1SS83 R7123 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 3K 0.5 <td></td> <td>1/10W</td> | | | | | | | | | | | | 1/10W |
| R7112 1-249-424-11 CARBON 3.9K 5% CN7101 *1-564-512-11 PLUG, CONNECTOR 9P CN7102 *1-564-510-11 PLUG, CONNECTOR 7P CN7103 *1-564-512-11 PLUG, CONNECTOR 7P CN7103 *1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093-11 CARBON 330 5% R7118 1-260-093-11 CARBON 100 5% R7119 1-260-099-11 CARBON 100 5% R7110 1-216-081-00 RES-CHIP 22K 5% D7102 8-719-921-86 DIODE MTZJ-13 D7103 8-719-901-83 DIODE 1SS83 D7104 8-719-901-83 DIODE 1SS83 D7105 8-719-901-83 DIODE 1SS83 R7120 1-216-025-91 SHORT 0 R7120 1-216-073-00 RES-CHIP 10K 5% R7121 1-260-073-00 RES-CHIP 10K 5% R7122 1-216-073-00 RES-CHIP 10K 5% R7123 1-216-073-00 RES-CHIP 10K 5% R7126 1-208-818-11 METAL CHIP 33K 0.5 | | <connecto< td=""><td>R></td><td></td><td></td><td></td><td> R/TTT</td><td>1-216-033-00</td><td>RES-CHIP</td><td>220</td><td>5%</td><td>1/10W</td></connecto<> | R> | | | | R/TTT | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| CN7102 *1-564-510-11 PLUG, CONNECTOR 7P CN7103 *1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) **CONTION OF TOUCH CN7107 1-695-915-11 TAB (CONTACT) **CONTION OF TOUCH CN7107 1-695-915-11 TAB (CONTACT) **CONTION OF TOUCH CN7107 1-260-093-11 CARBON 330 5% R7118 1-260-093-11 CARBON 100 5% R7119 1-260-099-11 CARBON 1K 5% R7110 1-216-081-00 RES-CHIP 22K 5% R7103 8-719-901-83 DIODE 1SS83 **D7104 8-719-901-83 DIODE 1SS83 **D7105 8-719-901-83 DIODE 1SS83 **D7106 8-719-901-83 DIODE 1SS83 **D7106 8-719-901-83 DIODE 1SS83 **D7106 8-719-901-83 DIODE 1SS83 **D7106 8-719-901-83 DIODE 1SS83 **R7128 1-208-818-11 METAL CHIP 33K 0.55* | | | | | | | R7112 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W |
| CN7103 *1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093-11 CARBON 330 5% R7118 1-260-087-11 CARBON 100 5% R7119 1-260-099-11 CARBON 1K 5% R7110 1-216-081-00 RES-CHIP 22K 5% R7110 1-216-081-00 RES-CHIP 22K 5% R7103 8-719-901-83 DIODE 1SS83 D7104 8-719-901-83 DIODE 1SS83 R7120 1-216-073-00 RES-CHIP 0 R7121 1-216-073-00 RES-CHIP 10K 5% R7122 1-216-073-00 RES-CHIP 10K 5% R7124 1-216-073-00 RES-CHIP 10K 5% R7126 1-208-818-11 METAL CHIP 33K 0.5 | | | | | | | 1 | | | | | |
| CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093-11 CARBON 330 5% R7118 1-260-087-11 CARBON 100 5% R7119 1-260-099-11 CARBON 1K 5% R7110 1-216-081-00 RES-CHIP 22K 5% R7110 1-216-081-00 RES-CHIP 22K 5% R7103 8-719-901-83 DIODE 1SS83 D7104 8-719-901-83 DIODE 1SS83 R7123 1-216-295-91 SHORT 0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% R7126 1-208-818-11 METAL CHIP 33K 0.5 | | | | | | | 1 | | | | | 1/10W |
| CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093-11 CARBON 330 5% R7118 1-260-087-11 CARBON 100 5% R7119 1-260-099-11 CARBON 1K 5% R7120 1-216-081-00 RES-CHIP 22K 5% R7103 8-719-921-86 DIODE MTZJ-13 R7122 1-216-025-91 RES-CHIP 100 5% D7103 8-719-901-83 DIODE 1SS83 D7104 8-719-901-83 DIODE 1SS83 R7123 1-216-295-91 SHORT 0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 33K 0.5 | | | * | | | | 1 | | _ | | | 1/10W |
| R7117 1-260-093-11 CARBON 330 5% R7118 1-260-087-11 CARBON 100 5% R7118 1-260-087-11 CARBON 100 5% R7119 1-260-099-11 CARBON 1K 5% R7120 1-216-081-00 RES-CHIP 22K 5% R7120 1-216-081-00 RES-CHIP 22K 5% R7120 1-216-025-91 RES-CHIP 100 5% R7103 8-719-901-83 DIODE 1SS83 R7104 8-719-901-83 DIODE 1SS83 R7105 8-719-901-83 DIODE 1SS83 R7106 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% R7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 33K 0.5 | | | , | | , FT | | K/116 | 1-215-929-11 | I METAL OXIDE | IUUK | 5% | 3W |
| <diode> R7119 1-260-099-11 CARBON 1K 5% D7102 8-719-921-86 DIODE MTZJ-13 R7120 1-216-081-00 RES-CHIP 22K 5% D7103 8-719-901-83 DIODE 1SS83 R7122 1-216-025-91 RES-CHIP 100 5% D7104 8-719-901-83 DIODE 1SS83 R7123 1-216-295-91 SHORT 0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 33K 0.5</diode> | | | (==:::::01 | , | | | R7117 | | | 330 | 5% | 1/2W |
| R7120 | | | | | | | 1 | | | | 5% | 1/2W |
| D7102 8-719-921-86 DIODE MTZJ-13 R7122 1-216-025-91 RES-CHIP 100 5% D7103 8-719-901-83 DIODE 1SS83 R7123 1-216-295-91 SHORT 0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 33K 0.5 | • | <diode></diode> | | | | | 1 | | | | 5% | 1/2W |
| D7103 8-719-901-83 DIODE 1SS83 D7104 8-719-901-83 DIODE 1SS83 R7123 1-216-295-91 SHORT 0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 33K 0.5 | 102 9 | 8-710 024 0 <u>e</u> | DIODE MT7 I 47 | 2 | | | 1 | | | | | 1/10W 1/10W |
| D7104 8-719-901-83 DIODE 1SS83 R7123 1-216-295-91 SHORT 0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 33K 0.5 | | | | , | | | 17/122 | 1-210-025-91 | I NES-UNIP | 100 | J-70 | 1/1000 |
| D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-00 RES-CHIP 10K 5% D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 33K 0.5 | | | | | | | R7123 | 1-216-295-91 | SHORT | 0 | | |
| D7106 8-719-901-83 DIODE 1SS83 R7128 1-208-818-11 METAL CHIP 33K 0.5 | | | | | | | 1 | | | | 5% | 1/10W |
| R7129 1-249-417-11 CARRON 1K 5% | 106 8 | 8-719-901-83 | DIODE 1SS83 | | | | R7128 | 1-208-818-11 | I METAL CHIP | 33K | | 1/10W |
| | | | DIOD= : 5 = | | | | R7129 | | | 1K | 5% | 1/4W |
| | | | | | | | R7130 | 1-216-069-00 | RES-CHIP | 6.8K | 5% | 1/10W |
| D7109 8-719-921-86 DIODE MTZJ-13 R7131 1-216-049-91 RES-CHIP 1K 5% | | | | | | | D7121 | 1-216 040 04 | I DEC CUID | 1 K | 5% | 1/10W |
| R7132 1-216-295-91 SHORT 0 | 110 (| 0-113-321-00 | DIODE MIZD-13 | , | | | 1 | | | | J /0 | 1/1000 |
| 17.102 12.10.200 01 0110111 | | | | | | | 102 | 0 _ 00 0 | | • | | |

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



| REF.NO. | PART NO. | DESCRIPTION | ı | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | l | R | EMARK |
|-------------------------|--|------------------------------|--------------------|--------------|----------------|--------------------------------------|--|--|------------------------|------------|----------------|
| R7133 | | METAL CHIP | 150K | | 1/10W | | <jack></jack> | | | | |
| R7134 R7135 | 1-216-049-91 1-216-053-00 | | 1K 1.5K | 5% 5% | 1/10W 1/10W | J7201 ⊿ | ∆1-251-182-41 | SOCKET, PICT | URE TUBE | | |
| | CDADK CAI | D. | | | | | 0011 | | | | |
| | <spark gai<="" td=""><td></td><td></td><td></td><td></td><td></td><td><coil></coil></td><td></td><td></td><td></td><td></td></spark> | | | | | | <coil></coil> | | | | |
| | | GAP, SPARK GAP, SPARK | | | | L7201 L7203 L7204 | 1-414-223-11 1-414-181-11 1-414-187-11 | INDUCTOR | 470μΗ 4.7μΗ 47μΗ | | |
| | <test pin=""></test> | | | | | | <neon lam<="" td=""><td>D.,</td><td></td><td></td><td></td></neon> | D., | | | |
| TP7105 | * 1-535-881-21 | TERMINAL, TP TERMINAL, TP | (AUTO INS | ERTIO | N) | NL7201 NL7202 | 1-576-354-21 | GAP, SPARK GAP, SPARK | | | |
| , | * A-1332-038- <i>F</i> | A CG BOARD, C | | | | NL7202 NL7203 NL7204 NL7205 | 1-517-729-31 1-576-354-21 | GAP, SPARK GAP, SPARK GAP, SPARK | | | |
| | 4-382-854-01 | SCREW (M3X8 |), P, SW (+) | (IC720 | 1) | | <transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<> | OR> | | | |
| | <capacitoi< td=""><td>₹></td><td></td><td></td><td></td><td>Q7201 Q7202</td><td></td><td>TRANSISTOR 2</td><td></td><td>_</td><td></td></capacitoi<> | ₹> | | | | Q7201 Q7202 | | TRANSISTOR 2 | | _ | |
| C7202 C7203 | 1-162-115-00 1-126-768-11 | | 330pF 2200µF | 10% 20% | | Q7203 | 8-729-255-12 | TRANSISTOR 2 | 2SC2551-O | | |
| C7204 C7205 | | CERAMIC CHIR | | 20% | 250V 25V | | <resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<> | > | | | |
| C7206 C7207 | 1-163-038-91 1-162-115-00 | CERAMIC CHIF | 330pF | 10% | 25V | R7201 R7202 | 1-260-132-11 1-216-295-91 | | 560K 0 | 5% | 1/2W |
| C7208 | 1-126-967-11 | ELECT | 47μF | 20% | 50V | R7203 | 1-208-846-11 | METAL CHIP | 470K | | 1/10W |
| C7209 C7211 C7212 | 1-102-050-00 1-161-830-00 | | 0.01µF 0.0047µF | 99% 0.25p | 500V | R7204 R7205 | 1-219-743-11 1-260-117-11 | | 100 33K | 5% 5% | 1/2W 1/2W |
| C7212 | | CERAMIC CHIF | • | 0.25p | | R7206 R7207 | | METAL CHIP METAL CHIP | 6.2K 12K | | 1/10W 1/10W |
| C7214 C7216 | 1-126-964-11 1-107-957-11 | ELECT | 10μF 1μF | 20% | 50V | R7208 R7209 | 1-216-033-00 1-260-133-11 | RES-CHIP | 220 680K | 5% 5% | 1/10W 1/2W |
| C/210 | 1-107-937-11 | LLLOT | ιμι | 20 /6 | 230 V | R7210 | | METAL CHIP | 2.2K | | 1/2VV 1/10W |
| | <connecto< td=""><td>OR></td><td></td><td></td><td></td><td>R7211 R7212</td><td>1-249-424-11 1-208-789-11</td><td>CARBON METAL CHIP</td><td>3.9K 2K</td><td>5% 0.5%</td><td>1/4W 1/10W</td></connecto<> | OR> | | | | R7211 R7212 | 1-249-424-11 1-208-789-11 | CARBON METAL CHIP | 3.9K 2K | 5% 0.5% | 1/4W 1/10W |
| | | PLUG, CONNE | | | | R7213 R7214 | 1-215-929-11 1-216-295-91 | METAL OXIDE SHORT | 100K 0 | 5% | 3W |
| CN7203 | * 1-564-512-11 | PLUG, CONNE | CTOR 9P | | | R7215 | | METAL CHIP | 1K | 0.5% | 1/10W |
| | | PLUG, CONNECTOR, | | H | | R7216 R7217 | 1-260-093-11 1-216-295-91 | | 330 0 | 5% | 1/2W |
| CN7208 | 1-695-915-11 | TAB (CONTAC | Γ) | | | R7218 R7219 | 1-260-099-11 1-216-295-91 | CARBON | 1K 0 | 5% | 1/2W |
| | <diode></diode> | | | | | R7220 | 1-216-025-91 | | 100 | 5% | 1/10W |
| D7202 | 8-719-921-86 | DIODE MTZJ-1: | 3 | | | R7222 R7223 | 1-216-295-91 1-208-802-11 | SHORT METAL CHIP | 0 6.8K | 0.5% | 1/10W |
| D7203 | 8-719-901-83 | DIODE 1SS83 | - | | | R7224 | 1-208-799-11 | METAL CHIP | 5.1K | 0.5% | 1/10W |
| D7204 D7205 | 8-719-901-83 | DIODE 1SS83 | | | | R7225 R7229 | 1-216-081-00 1-249-417-11 | | 22K 1K | 5% 5% | 1/10W 1/4W |
| D7206 D7208 | | DIODE 1SS83 DIODE 1SS355 | TF-17 | | | R7235 | 1-216-053-00 | RES-CHIP | 1.5K | 5% | 1/10W |
| 57200 | 3 7 13 300 01 | 21022 100000 | | | | | <spark gai<="" td=""><td>D₁</td><td></td><td></td><td></td></spark> | D ₁ | | | |
| | <ic></ic> | | | | | 00 | | | | | |
| IC7201 | 8-759-360-83 | IC TDA6111Q/N | 14 | | | SG7201 SG7203 | | GAP, SPARK GAP, SPARK | | | |

CG CB

| REF.NO. | PART NO. | DESCRIPTION | 1 | REMARK | REF.NO. | PART NO. | DESCRIPTION | 1 | R | EMARK |
|--|--|--|--------------------------------|--|--|---|--|--------------------------------------|------------------|---------------------------------|
| | <test pin=""></test> | | | | | <coil></coil> | | | | |
| TP7205 | * 1-535-881-21 | TERMINAL, TP TERMINAL, TP | (AUTO INS | ERTION) | L7301 L7303 L7304 | 1-414-223-11 1-414-181-11 1-414-187-11 | | 470μΗ 4.7μΗ 47μΗ | | |
| : | * A-1332-039- <i>A</i> | CB BOARD, CO | | | | <neon lam<="" td=""><td>P></td><td></td><td></td><td></td></neon> | P> | | | |
| | 4-382-854-01 <capacitor< td=""><td>SCREW (M3X8)</td><td>), P, SW (+)</td><td>(IC7301)</td><td>NL7301 NL7302 NL7303 NL7304 NL7305</td><td>1-517-729-31 1-576-354-21 1-576-354-21</td><td>GAP, SPARK GAP, SPARK GAP, SPARK GAP, SPARK GAP, SPARK</td><td></td><td></td><td></td></capacitor<> | SCREW (M3X8) |), P, SW (+) | (IC7301) | NL7301 NL7302 NL7303 NL7304 NL7305 | 1-517-729-31 1-576-354-21 1-576-354-21 | GAP, SPARK GAP, SPARK GAP, SPARK GAP, SPARK GAP, SPARK | | | |
| C7302 C7303 C7304 C7305 | | CERAMIC ELECT CERAMIC CHIF | | 10% 2KV 10% 2KV 20% 16V 25V | | <transisto< td=""><td></td><td></td><td></td><td></td></transisto<> | | | | |
| C7306 C7307 C7308 C7309 C7311 C7312 | 1-107-652-11 1-126-967-11 | ELECT CERAMIC CHIP CERAMIC | 10μF 47μF | 25V 20% 250V 20% 50V 0.25pF 50V 99% 500V 500V | Q7301 Q7302 Q7303 Q7305 Q7306 | 8-729-026-49 8-729-255-12 8-729-120-28 | O TRANSISTOR 2 O TRANSISTOR 2 O TRANSISTOR 2 O TRANSISTOR 2 O TRANSISTOR 2 | 2SA1037AK 2SC2551-O 2SC1623-L5 | :-T146-I 5L6 | ₹ |
| C7313 | 1-163-091-00 | CERAMIC CHIP | 9 8pF | 0.25pF 50V | | <resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<> | > | | | |
| C7314 C7315 C7318 | 1-126-964-11 1-126-960-11 1-107-957-11 | ELECT | 10μF 1μF 1μF | 20% 50V 20% 50V 20% 250V | R7301 R7302 R7304 | 1-219-743-11 1-260-132-11 1-216-295-91 | CARBON SHORT | 100 560K 0 | 5% 5% | 1/2W 1/2W |
| | <connecto< td=""><td>)D.</td><td></td><td></td><td>R7306 R7307</td><td>1-260-099-11 1-208-801-11</td><td>METAL CHIP</td><td>1K 6.2K</td><td>5% 0.5%</td><td>1/2W 1/10W</td></connecto<> |) D. | | | R7306 R7307 | 1-260-099-11 1-208-801-11 | METAL CHIP | 1K 6.2K | 5% 0.5% | 1/2W 1/10W |
| CN7302 CN7303 CN7304 | * 1-564-509-11 * 1-564-512-11 * 1-564-512-11 1-785-879-11 | PLUG, CONNECTURE, CONNECTOR, TAB (CONTACT | CTOR 9P CTOR 9P ONE TOUC | н | R7308 R7309 R7310 R7311 R7312 | 1-216-295-91 1-208-808-11 | METAL CHIP | 680K 2.2K 0 12K 2.4K | 0.5% | 1/2W 1/10W 1/10W 1/10W |
| | <diode></diode> | , | , | | R7313 R7314 R7315 | 1-216-033-00 1-249-424-11 1-216-295-91 | CARBON | 220 3.9K 0 | 5% 5% | 1/10W 1/4W |
| D7302 D7303 | 8-719-921-86 | DIODE MTZJ-1; DIODE 1SS83 | 3 | | R7316 R7317 | | METAL OXIDE | 100K 330 | 5% 5% | 3W 1/2W |
| D7304 D7305 D7306 | 8-719-901-83 | DIODE 1SS83 DIODE 1SS83 DIODE 1SS83 | | | R7318 R7319 R7320 R7321 | 1-216-295-91 1-208-798-11 1-260-087-11 1-260-117-11 | METAL CHIP CARBON | 0 4.7K 100 33K | 0.5% 5% 5% | 1/10W 1/2W 1/2W |
| D7307 D7308 | 8-719-921-88 | DIODE 1SS355 | 3B | | R7322 R7323 | 1-208-782-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| D7309 D7311 D7312 | 8-719-921-86 | DIODE 1SS355 DIODE MTZJ-13 DIODE MTZJ-13 | 3 | | R7324 R7326 | | SHORT METAL CHIP | 100 0 7.5K | | 1/10W |
| | <ic></ic> | | | | R7327 R7328 | 1-208-798-11 1-216-073-00 | METAL CHIP RES-CHIP | 4.7K 10K | 0.5% 5% | 1/10W 1/10W |
| IC7301 | | IC TDA6111Q/N | 14 | | R7329 R7330 R7331 | 1-216-091-00 1-216-081-00 1-216-055-00 | RES-CHIP RES-CHIP | 56K 22K 1.8K | 5% 5% 5% | 1/10W 1/10W 1/10W |
| | <jack></jack> | | | | R7332 R7335 | 1-216-081-00 1-249-417-11 | | 22K 1K | 5% 5% | 1/10W 1/4W |
| J7301 <i>∆</i> i | <u>1</u> 1-251-182-41 | SOCKET, PICT | URE TUBE | | R7336 | 1-216-053-00 | RES-CHIP | 1.5K | 5% | 1/10W |
| | | | | | | | | | | |

CB B3

| REF.NO. | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|--------------|--|---------------------|--------------------|-----------|------------|---------|--------------|---------------------|-----------------------|------------|-------|
| | <spark gai<="" td=""><td>P></td><td></td><td></td><td></td><td>C505</td><td>1-124-779-00</td><td>ELECT CHIP</td><td>10µF</td><td>20%</td><td>16V</td></spark> | P> | | | | C505 | 1-124-779-00 | ELECT CHIP | 10µF | 20% | 16V |
| | | | | | | C507 | 1-124-779-00 | ELECT CHIP | 10µF | 20% | 16V |
| SG7301 | 1-519-422-11 | GAP, SPARK | | | | C509 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| SG7303 | 1-519-422-11 | GAP, SPARK | | | | C510 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| | | | | | | C511 | 1-163-038-91 | CERAMIC CHIP | 0.1µF | | 25V |
| | <test pin=""></test> | | | | | C512 | | CERAMIC CHIP | | 10% | 50V |
| | | | | | | C514 | | CERAMIC CHIP | - 1 | 10% | 25V |
| | | TERMINAL, TP (A | | | | C515 | | CERAMIC CHIP | | 10% | |
| | | TERMINAL, TP (A | | | | C516 | 1-164-004-11 | CERAMIC CHIP | 0.1µF | 10% | 25V |
| | | | | | | C517 | | CERAMIC CHIP | | 10% | 50V |
| , | * A-1136-087- <i>F</i> | A B3 BOARD, CON | | | | C518 | | | | 20% | 16V |
| | | ************ | ***** | | | C519 | | CERAMIC CHIP | | | 25V |
| | | | | | | C520 | | CERAMIC CHIP | • | | 25V |
| | <capacitoi< td=""><td>R></td><td></td><td></td><td></td><td>C521</td><td>1-163-021-91</td><td>CERAMIC CHIP</td><td>0.01µF</td><td>10%</td><td>50V</td></capacitoi<> | R> | | | | C521 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| | | | | | | C522 | 1-163-038-91 | CERAMIC CHIP | 0.1µF | | 25V |
| C302 | 1-117-136-11 | ELECT CHIP ' | 10μF 2 | 20% | 6.3V | C523 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C305 | 1-163-038-91 | CERAMIC CHIP (| 0.1µF | | 25V | C524 | 1-124-779-00 | ELECT CHIP | 10µF | 20% | 16V |
| C306 | 1-163-038-91 | CERAMIC CHIP (| 0.1µF | | 25V | C525 | 1-126-394-11 | ELECT CHIP | 10μF | 20% | 16V |
| C309 C310 | | CERAMIC CHIP (| - 1 | | 25V | C526 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C310 | 1-103-036-91 | CERAMIC CHIP (| υ. τμπ | | 25V | C527 | 1-164-004-11 | CERAMIC CHIP | 0.1µF | 10% | 25V |
| C312 | 1-163-275-11 | CERAMIC CHIP (| 0.001µF 5 | 5% | 50V | C528 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C313 | 1-163-038-91 | CERAMIC CHIP (| 0.1µF | | 25V | C530 | 1-216-295-91 | SHORT | 0 | | |
| C314 | 1-164-004-11 | CERAMIC CHIP (| 0.1µF 1 | 0% | 25V | C532 | 1-216-295-91 | SHORT | 0 | | |
| C315 | 1-163-251-11 | CERAMIC CHIP ' | 100pF 5 | % | 50V | C534 | 1-216-295-91 | SHORT | 0 | | |
| C316 | | CERAMIC CHIP | | | 25V | | | | | | |
| | | | | | | C538 | | CERAMIC CHIP | | 10% | |
| C317 | | CERAMIC CHIP (| • | | 50V | C539 | | | | | 16V |
| C318 | | | | | 16V | C540 | | CERAMIC CHIP | | 10% | 50V |
| C319 | | | | | 16V | C542 | | ELECT CHIP | • | 20% | 16V |
| C320 C321 | | CERAMIC CHIP (| | | 50V 50V | C543 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| 0021 | 1 103 021 31 | OLIVAIVIIO OI III (| υ.υ ι μ ι ι | 0 70 | 30 V | C545 | 1-126-306-11 | ELECT CHIP | 47µF | 20% | 16V |
| C323 | 1-163-021-01 | CERAMIC CHIP (| 0.01uF 1 | 0% | 50V | C546 | | CERAMIC CHIP | | 10% | 50V |
| C324 | | CERAMIC CHIP (| | | 50V | C548 | | CERAMIC CHIP | | 10% | 50V |
| C325 | | CERAMIC CHIP (| | | 50V | C549 | | ELECT CHIP | • | 20% | 16V |
| C327 | | CERAMIC CHIP (| • | 0 70 | 25V | C550 | | CERAMIC CHIP | • | 10% | |
| C330 | | CERAMIC CHIP | | | 25V | 0000 | 1 100 021 01 | OLIO WIIIO OLIII | 0.0 γμι | 1070 | 001 |
| | | | | | | C551 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C331 | | CERAMIC CHIP (| | | 25V | C554 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C332 | | CERAMIC CHIP (| 0.01µF 1 | 0% | 50V | C555 | | CERAMIC CHIP | | | 25V |
| C333 | 1-216-295-91 | SHORT (| 0 | | | C556 | 1-126-392-11 | ELECT CHIP | 100µF | 20% | 6.3V |
| C337 C338 | | CERAMIC CHIP (| | | 25V 25V | C557 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C330 | 1-103-030-91 | CENAIVIIC CITIF (| υ. τμι | | 23 V | C559 | 1_163_021_01 | CERAMIC CHIP | 0.01uE | 10% | 50\/ |
| C339 | 1_163_038_01 | CERAMIC CHIP (| 1uE | | 25V | C560 | | CERAMIC CHIP | | 10% | |
| C340 | | CERAMIC CHIP (| | | 25V 25V | C601 | | ELECT CHIP | | | 16V |
| C341 | | CERAMIC CHIP (| • | O% | 50V | C602 | | | • | 20% | |
| C346 | | CERAMIC CHIP (| • | U /0 | 25V | C602 | | CERAMIC CHIP | • | 20% 10% | |
| C346 C347 | | CERAMIC CHIP (| | 0% | 50V | 0003 | 1-100-021-91 | OLIVAIVIIO CHIP | υ.υ ι μι ⁻ | 10/0 | JU V |
| | | | • | | | C604 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C349 | 1-163-021-91 | CERAMIC CHIP (| 0.01µF 1 | 0% | 50V | C605 | | CERAMIC CHIP | | 10% | |
| C350 | | | • | | 16V | C606 | | CERAMIC CHIP | | 10% | |
| C353 | | | | | 16V | C607 | | CERAMIC CHIP | | 10% | |
| C354 | | | • | | 6.3V | C608 | | CERAMIC CHIP | • | 10% | |
| C355 | | | • | | 6.3V | | | | · | | |
| 0007 | 4 404 | FI FOT 0: "5 | 40 F - | | 40) (| C609 | | CERAMIC CHIP | | 10% | |
| C361 | | | | | 16V | C610 | | CERAMIC CHIP | | 10% | |
| C362 | | CERAMIC CHIP (| | | 50V | C611 | | CERAMIC CHIP | | 10% | |
| C363 | | CERAMIC CHIP (| | | 50V | C612 | | CERAMIC CHIP | • | 10% | |
| C501 | | CERAMIC CHIP (| • | | 50V | C613 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C502 | 1-124-779-00 | ELECT CHIP ' | 10μF 2 | 20% | 16V | | | ABB. 1. 112 - 21 | | | |
| CEO2 | 1 104 770 00 | LELECT CLUD | 10uE 2 | 00/ | 16\/ | C614 | | CERAMIC CHIP | | 10% | |
| C503 | 1-124-779-00 | ELECT CHIP ' | 10μF 2 | U% | 16V | C615 | 1-103-021-91 | CERAMIC CHIP | υ.υ ιμΕ | 10% | JUV |



| REF.NO. | PART NO. | DESCRIPTION | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|------------------------------|--|---|-------------------|-------------|-------------------------|---|--|------------|------|--------|
| C616 | 1-126-396-11 | ELECT CHIP 47µF | 20% | 16V | C835 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C617 | | CERAMIC CHIP 0.1µF | | 25V | C837 | | CERAMIC CHIP | | 10% | 50V |
| C618 | | CERAMIC CHIP 0.1µF | | 25V | | | | | | |
| | | • | | | C839 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C619 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | C840 | | ELECT CHIP | 100µF | | 6.3V |
| C620 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | C841 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C621 | | CERAMIC CHIP 0.01µF | 10% | 50V | C842 | | CERAMIC CHIP | | 10% | 50V |
| | | CERAMIC CHIP 0.01µF | 10% | | C843 | | CERAMIC CHIP | | | 50V |
| C623 | | CERAMIC CHIP 0.01µF | 10% | | | | | | | |
| | | | | | C844 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C624 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | C848 | | CERAMIC CHIP | | 10% | 50V |
| C625 | | CERAMIC CHIP 0.01µF | 10% | | C849 | | CERAMIC CHIP | | | 50V |
| C626 | | CERAMIC CHIP 0.01µF | 10% | | C850 | | CERAMIC CHIP | | | 50V |
| C627 | | CERAMIC CHIP 0.01µF | 10% | | C851 | | CERAMIC CHIP | | 10% | |
| C628 | | CERAMIC CHIP 0.01µF | | 50V | 555. | | 02 | σ.σ.μ. | .070 | |
| 0020 | | 0_10 mm 010 m | .070 | | C852 | 1-163-021-91 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C629 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50\/ | C853 | | CERAMIC CHIP | | 10% | |
| C630 | | CERAMIC CHIP 0.01µF | | 50V | C854 | | CERAMIC CHIP | | 1070 | 25V |
| C631 | | CERAMIC CHIP 0.01µF | | 50V | C901 | | CERAMIC CHIP | | | 25V |
| | | ELECT CHIP 100µF | | 6.3V | C902 | | CERAMIC CHIP | | | 25V |
| C633 | | CERAMIC CHIP 0.01µF | 10% | | 0302 | 1-103-030-91 | CLIVAIVIIC CI III | υ. τμι | | 23 V |
| 5055 | 1-103-021-91 | CERAMIC CITII 0.01pi | 1070 | 30 V | C903 | 1 162 021 01 | CERAMIC CHIP | 0.01.15 | 10% | E0\/ |
| CC24 | 1 162 021 01 | CERAMIC CLUB O 01E | 100/ | E0\/ | C903 | | | | | |
| C634 | | CERAMIC CHIP 0.01µF | | 50V | | | ELECT CHIP | 10μF | 20% | |
| | | CERAMIC CHIP 0.01µF | | 50V | C905 | | CERAMIC CHIP | • | | 10V |
| C636 | | CERAMIC CHIP 0.01µF | 10% | | C906 | | ELECT CHIP | 10μF | 20% | |
| C637 | | CERAMIC CHIP 0.01µF | 10% | | C907 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 507 |
| C638 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | 0000 | 4 400 004 44 | 0554440 0145 | | | 50) (|
| 0000 | 4 400 004 04 | OFFIAMIO OLUB A MALE | 400/ | 50 1 | C908 | | CERAMIC CHIP | | 000/ | 50V |
| | | CERAMIC CHIP 0.01µF | 10% | | C909 | | ELECT CHIP | 47µF | | 16V |
| C640 | | CERAMIC CHIP 0.01µF | | 50V | C910 | | CERAMIC CHIP | | 10% | |
| C642 | | CERAMIC CHIP 0.01µF | 10% | | C913 | | CERAMIC CHIP | • | | 50V |
| | | CERAMIC CHIP 0.01µF | 10% | | C914 | 1-126-394-11 | ELECT CHIP | 10μF | 20% | 16V |
| C644 | 1-126-398-11 | ELECT CHIP 4.7µF | 20% | 35V | | | | _ | | |
| | | | | | C950 | | CERAMIC CHIP | | | 50V |
| C645 | 1-163-021-91 | CERAMIC CHIP 0.01µF | | 50V | C954 | 1-163-021-91 | CERAMIC CHIP | 0.01µF | 10% | 50V |
| C801 | 1-124-779-00 | ELECT CHIP 10µF | 20% | | | | | | | |
| C802 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | | | | | | | |
| C803 | 1-124-779-00 | ELECT CHIP 10µF | 20% | 16V | | <connecto< td=""><td>DR></td><td></td><td></td><td></td></connecto<> | DR> | | | |
| C804 | 1-124-779-00 | ELECT CHIP 10µF | 20% | 16V | | | | | | |
| | | | | | CN502 | 1-695-302-11 | CONNECTOR, I | BOARD TO | BOAR | RD 50P |
| C806 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | | | | | | |
| C807 | 1-124-779-00 | ELECT CHIP 10µF | 20% | 16V | | | | | | |
| C808 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | | <diode></diode> | | | | |
| C809 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | | | | | | |
| C810 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | D301 | 8-719-041-97 | DIODE MA113-(| TX) | | |
| | | · | | | D302 | | DIODE MA113- | | | |
| C811 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | D501 | | DIODE MA8039 | , | | |
| C812 | | CERAMIC CHIP 0.01µF | | 50V | D601 | | DIODE MA111-(| | | |
| C813 | | CERAMIC CHIP 0.01µF | | 50V | | 5 | = m/ (1111-(| 5,.50 | | |
| C814 | | CERAMIC CHIP 0.01µF | | 50V | | | | | | |
| C815 | | CERAMIC CHIP 0.01µF | | 50V | | <ferritbea< td=""><td>/D></td><td></td><td></td><td></td></ferritbea<> | /D> | | | |
| 5515 | . 100 021 91 | CE70 tivilo Orini σ.στμι | 1070 | 30 V | | SI EIGHTDE | | | | |
| C816 | 1-163-021-01 | CERAMIC CHIP 0.01µF | 10% | 50V | FB501 | 1-414-813-11 | FERRITE | 0µH | | |
| C817 | | CERAMIC CHIP 12pF | 5% | 50V 50V | FB501 | 1-414-813-11 | | 0μH | | |
| C817 C818 | | CERAMIC CHIP 12pF | 5% 5% | 50V 50V | FB502 | | | 0μΠ 0μΗ | | |
| C818 C819 | | CERAMIC CHIP 12pF | | 50V 50V | FB503 | 1-414-813-11 | | 0μH 0μH | | |
| | | • | | | | 1-414-813-11 | | • | | |
| C820 | 1-103-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | FB601 | 1-414-553-11 | FERRIIE | 0µH | | |
| C024 | 1 162 004 04 | CEDAMIC CLUD O O4E | 100/ | E0\/ | ED004 | 1 111 550 44 | EEDDITE | اللام | | |
| C821 | | CERAMIC CHIP 0.01µF | | 50V | FB801 | 1-414-553-11 | | 0μH | | |
| | - 162 H21 01 | CERAMIC CHIP 0.01µF | | 50V | FB802 | 1-414-553-11 | FEKKIIE | 0µH | | |
| C822 | | | 10% | 50V | | | | | | |
| C822 C823 | 1-163-021-91 | CERAMIC CHIP 0.01µF | | E01 / | | | | | | |
| C822 C823 C824 | 1-163-021-91 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V | | | | | | |
| C822 C823 C824 | 1-163-021-91 1-163-021-91 | • | 10% | 50V 50V | | <filter></filter> | | | | |
| C822 C823 C824 C825 | 1-163-021-91 1-163-021-91 1-163-021-91 | CERAMIC CHIP 0.01µF CERAMIC CHIP 0.01µF | 10% 10% | 50V | | | | | | |
| C822 C823 C824 C825 | 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 | CERAMIC CHIP 0.01µF CERAMIC CHIP 0.01µF CERAMIC CHIP 0.01µF | 10% 10% 10% | 50V 50V | FL304 | 1-234-177-21 | FILTER, CHIP E | | | |
| C822 C823 C824 C825 | 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 | CERAMIC CHIP 0.01µF CERAMIC CHIP 0.01µF | 10% 10% 10% | 50V | FL304 FL305 FL306 | 1-234-177-21 1-234-177-21 | FILTER, CHIP E FILTER, CHIP E FILTER, CHIP E | MI | | |

B3

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK |
|----------------|--------------|--------------------------------------|--------|--------------|---|-----------------------|-----------------|----------|-------|
| FL501 | | FILTER, LOW PASS | | | <coil></coil> | | | | |
| FL502 | 1-233-504-21 | FILTER, LOW PASS | | L302 | 1-412-029-11 | INDUCTOR CH | IIP | 10µH | |
| FL503 | 1-233-504-21 | FILTER, LOW PASS | | L303 | | INDUCTOR CH | | 10µH | |
| FL504 | | FILTER, CHIP EMI | | L501 | | INDUCTOR CH | | 1µH | |
| FL505 | | FILTER, CHIP EMI | | L502 | 1-412-026-11 | INDUCTOR CH | IIP | i 1μΗ | |
| FL506 | 1-234-177-21 | FILTER, CHIP EMI | | L503 | 1-412-026-11 | INDUCTOR CH | I IP | 1μΗ | |
| FL508 | 1-234-177-21 | FILTER, CHIP EMI | | L504 | 1-412-026-11 | INDUCTOR CH | IIP | 1µH | |
| FL509 | 1-234-177-21 | FILTER, CHIP EMI | | L505 | | INDUCTOR CH | | 10μH | |
| FL510 | - | FILTER, CHIP EMI | | L506 | | INDUCTOR CH | | 1μH | |
| FL511 | | FILTER, CHIP EMI | | L508 | 1-412-029-11 | INDUCTOR CH | IIP | 10µH | |
| FL512 | 1-234-177-21 | FILTER, CHIP EMI | | L509 | 1-412-029-11 | INDUCTOR CH | llP | 10µH | |
| FL601 | 1-234-177-21 | FILTER, CHIP EMI | | | | | | | |
| = | | | | L511 | | INDUCTOR CH | | 1µH | |
| FL602 | | FILTER, CHIP EMI | | L512 | | INDUCTOR CH | | 1µH | |
| FL603 | | FILTER, CHIP EMI | | L604 L605 | | INDUCTOR CH | | 10µH | |
| FL606 FL801 | | FILTER, CHIP EMI FILTER, CHIP EMI | | L605 | 1-412-029-11 | INDUCTOR CH | 11111 | 10µH | |
| FL801 | | FILTER, CHIP EMI | | | | | | | |
| | | | | | <transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<> | OR> | | | |
| FL803 | | FILTER, CHIP EMI | | | | | | | |
| FL804 | | FILTER, CHIP EMI | | Q301 | | TRANSISTOR | | | |
| FL805 | | FILTER, CHIP EMI | | Q302 | | TRANSISTOR | | | |
| FL806 FL807 | | FILTER, CHIP EMI | | Q303 | | TRANSISTOR | | oL6 | |
| FLOU! | 1-234-177-21 | FILTER, CHIP EMI | | Q501 Q502 | | TRANSISTOR: | | 16 | |
| FL808 | 1-234-177-21 | FILTER, CHIP EMI | | Q302 | 0-729-120-20 | TRANSISTOR | 230 1023-Lt | DLO | |
| FL810 | | FILTER, CHIP EMI | | Q503 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5 | 51.6 | |
| FL901 | | FILTER, LOW PASS | | Q510 | | TRANSISTOR | | | |
| FL902 | | FILTER, LOW PASS | | Q511 | | TRANSISTOR | | | |
| FL903 | | FILTER, LOW PASS | | Q512 | | TRANSISTOR | | | |
| | | | | Q516 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5 | 5L6 | |
| FL904 | | FILTER, CHIP EMI | | | | | | | |
| FL905 | | FILTER, CHIP EMI | | Q517 | | TRANSISTOR | | | |
| FL906 | | FILTER, CHIP EMI | | Q518 | | TRANSISTOR | | | |
| FL907 | 1-234-177-21 | FILTER, CHIP EMI | | Q519 | | TRANSISTOR | | | |
| | | | | Q520 Q521 | | TRANSISTOR TRANSISTOR | | | |
| | <ic></ic> | | | QUZI | 0-729-120-20 | TRANSISTOR | 2001020-10 | DLO | |
| | - | | | Q522 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5 | 5L6 | |
| IC302 | 8-752-388-98 | IC CXD2303AQ | | Q523 | 8-729-120-28 | TRANSISTOR: | 2SC1623-L5 | 5L6 | |
| IC303 | | ' IC CXA3266Q-T6 | | Q524 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5 | 5L6 | |
| IC309 | | IC TC7SET04F(TE85R) | | Q601 | | TRANSISTOR | | | |
| IC311 | | IC NJM78L05A | | Q602 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5 | 5L6 | |
| IC501 | 8-759-447-90 | IC TLC5733AIPM | | 0001 | 0.700.046.00 | TDANGICTOR | 0C | | |
| IC504 | 9 750 660 79 | IC TLC2933IPWR-12 | | Q901 Q902 | | TRANSISTOR: | | | |
| IC504 IC505 | | FIC TC7SET04F(TE85R) | | Q902 Q903 | | TRANSISTOR | | | |
| IC506 | | IC TC7SET04F(TE85R) | | Q904 | | TRANSISTOR | | | |
| IC601 | | IC CXD2090Q | | Q905 | | TRANSISTOR | , | , | |
| IC602 | | IC MB81F161622C-80FN | | 4000 | 0 . 20 020 20 | | | | |
| | | | | Q906 | 1-801-806-11 | TRANSISTOR | DTC144EKA | A | |
| IC603 | 8-759-669-75 | IC TLC2932IPWR | | Q907 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | | |
| IC604 | | IC CXA1875AM-T4 | | Q908 | | TRANSISTOR | | | |
| IC801 | | IC CXD9509AQ | | Q909 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | | |
| IC802 | | IC MB81F643242B-10FN | | | | | | | |
| IC803 | ठ-759-460-29 | IC PST9120NL | | | <resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<> | > | | | |
| IC901 | 8-752-369-84 | IC CXD2309Q-T6 | | | 31(20101010) | • | | | |
| IC902 | | IC MB94918RPF-G124-BND | | R302 | 1-216-013-00 | RES-CHIP | 33 | 5% | 1/10W |
| IC903 | | IC M24C04-WMN6T | | R303 | | METAL CHIP | 4.7K | | 1/10W |
| IC904 | | IC PST9145NL | | R305 | 1-216-049-91 | | 1K | 5% | 1/10W |
| | | | | R306 | | METAL CHIP | 2K | | 1/10W |
| | | | | R309 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| | | | | | | | | | |
| | | | | R310 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| | | | | | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK |
|---------|--------------|-------------|------|-------------|---------|---------|--------------|-------------|------|-------------|----------|
| R311 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R551 | 1-208-756-11 | METAL CHIP | 82 | 0.5% | 1/10W |
| R313 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R552 | 1-208-750-11 | METAL CHIP | 47 | 0.5% | 1/10W |
| R316 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R553 | 1-216-295-91 | SHORT | 0 | | |
| R318 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | | | | | | |
| | | | | | | R554 | 1-208-750-11 | METAL CHIP | 47 | 0.5% | 1/10W |
| R319 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R555 | 1-216-077-91 | _ | 15K | 5% | 1/10W |
| R321 | 1-216-009-91 | | 22 | 5% | 1/10W | R557 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R323 | 1-216-009-91 | | 22 | 5% | 1/10W | R558 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R324 | 1-216-009-91 | | 22 | 5% | 1/10W | R559 | 1-216-077-91 | | 15K | 5% | 1/10W |
| R325 | 1-216-073-00 | | 10K | 5% | 1/10W | 11000 | 1 210 011 01 | 1120 01111 | 1011 | 070 | 1, 1011 |
| 11020 | 1 210 070 00 | TREO OTTO | 1010 | 070 | 171000 | R560 | 1-208-750-11 | METAL CHIP | 47 | 0.5% | 1/10W |
| R328 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R561 | 1-216-043-91 | | 560 | 5% | 1/10W |
| R330 | 1-216-037-00 | | 330 | 5% | 1/10W | R562 | 1-216-043-91 | | 560 | 5% | 1/10W |
| R331 | 1-216-033-00 | | 220 | 5% | 1/10W | R563 | 1-216-043-91 | | 560 | 5% | 1/10W |
| R332 | 1-216-037-00 | | 330 | 5% | 1/10W | R571 | 1-216-295-91 | | 0 | 3/0 | 1/1000 |
| R333 | | | 0 | 370 | 1/1000 | 1371 | 1-210-293-91 | SHOKI | U | | |
| RSSS | 1-216-295-91 | SHUKT | U | | | DEZO | 1 200 750 11 | METAL CLUD | 47 | 0.50/ | 4/40\\ |
| Dage | 1 246 042 00 | DEC CLUD | 33 | E0/ | 4/40\\ | R572 | | METAL CHIP | | | 1/10W |
| R335 | 1-216-013-00 | | | 5% | 1/10W | R573 | | _ | 15K | | 1/10W |
| R336 | 1-216-013-00 | | 33 | 5% | 1/10W | R574 | | METAL CHIP | 1K | | 1/10W |
| R337 | 1-216-097-91 | | 100K | 5% | 1/10W | R575 | | METAL CHIP | 82 | | 1/10W |
| R338 | 1-216-295-91 | | 0 | | | R576 | 1-208-756-11 | METAL CHIP | 82 | 0.5% | 1/10W |
| R339 | 1-216-295-91 | SHORT | 0 | | | | | | | | |
| | | | | | | R577 | | METAL CHIP | 47 | | 1/10W |
| R347 | 1-216-295-91 | SHORT | 0 | | | R578 | 1-208-750-11 | METAL CHIP | 47 | 0.5% | 1/10W |
| R350 | 1-216-295-91 | SHORT | 0 | | | R579 | 1-216-077-91 | RES-CHIP | 15K | 5% | 1/10W |
| R501 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R580 | 1-216-295-91 | SHORT | 0 | | |
| R502 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R582 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R503 | 1-216-295-91 | SHORT | 0 | | | | | | | | |
| | | | | | | R584 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R504 | 1-216-295-91 | SHORT | 0 | | | R594 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R505 | 1-216-295-91 | | 0 | | | R596 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R506 | 1-216-009-91 | | 22 | 5% | 1/10W | R597 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R507 | 1-216-009-91 | | 22 | 5% | 1/10W | R598 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R508 | 1-216-025-91 | | 100 | 5% | 1/10W | 11000 | 1 210 020 01 | KLO OI III | 100 | 070 | 17 10 11 |
| 11300 | 1 210 025 51 | KLO OI III | 100 | 370 | 1/1044 | R600 | 1-216-066-00 | RES-CHIP | 5.1K | 5% | 1/10W |
| R509 | 1-216-025-91 | DES-CHID | 100 | 5% | 1/10W | R601 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R510 | 1-216-043-91 | | 560 | 5% | 1/10W | R602 | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | | | | | | | | | | |
| R511 | 1-216-043-91 | | 560 | 5% | 1/10W | R603 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R512 | 1-216-043-91 | | 560 | 5% | 1/10W | R604 | 1-216-033-00 | KES-CHIP | 220 | 5% | 1/10W |
| R513 | 1-216-043-91 | RES-CHIP | 560 | 5% | 1/10W | DCOE | 1-216-295-91 | CLIODT | 0 | | |
| D544 | 4 040 040 04 | DEO OLUD | 500 | 5 0/ | 4/40\4/ | R605 | | | 0 | | |
| R514 | 1-216-043-91 | | 560 | 5% | 1/10W | R608 | 1-216-295-91 | | 0 | 5 0/ | 4/4014/ |
| R515 | 1-216-043-91 | | 560 | 5% | 1/10W | R609 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R516 | 1-216-049-91 | | 1K | 5% | 1/10W | R610 | 1-216-033-00 | | 220 | 5% | 1/10W |
| R517 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R611 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R518 | 1-216-295-91 | SHORT | 0 | | | | | | | | |
| | | | | | | R612 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R520 | | METAL CHIP | 560 | 0.5% | 1/10W | R613 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R521 | 1-216-295-91 | SHORT | 0 | | | R615 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R523 | 1-208-776-11 | METAL CHIP | 560 | 0.5% | 1/10W | R616 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R524 | 1-216-295-91 | SHORT | 0 | | | R617 | 1-216-295-91 | SHORT | 0 | | |
| R526 | 1-208-776-11 | METAL CHIP | 560 | 0.5% | 1/10W | | | | | | |
| | | | | | | R619 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R528 | 1-216-037-00 | RES-CHIP | 330 | 5% | 1/10W | R621 | 1-216-295-91 | | 0 | | |
| R529 | | METAL CHIP | 5.6K | | 1/10W | R622 | 1-216-295-91 | | 0 | | |
| R530 | | METAL CHIP | 5.6K | | 1/10W | R623 | 1-216-295-91 | | Ö | | |
| R531 | 1-216-031-00 | | 180 | 5% | 1/10W | R624 | 1-216-295-91 | | 0 | | |
| R532 | | METAL CHIP | 5.6K | | 1/10W | 11027 | . 210 200 91 | 3,10111 | J | | |
| 11002 | 1 200 000-11 | WE TAL OTH | 0.01 | 0.070 | 1, 1000 | R625 | 1-216-295-91 | SHORT | 0 | | |
| R533 | 1-216-031-00 | RES-CHID | 180 | 5% | 1/10W | R626 | 1-216-293-91 | | 10K | 5% | 1/10W |
| | | | | | | | | | | J70 | 1/ 1000 |
| R536 | 1-216-057-00 | | 2.2K | 5% | 1/10W | R628 | 1-216-295-91 | | 0 | E0/ | 4/40\4/ |
| R537 | | METAL CHIP | 2.2K | | 1/10W | R629 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R540 | 1-216-049-91 | | 1K | 5% | 1/10W | R631 | 1-216-295-91 | SHORT | 0 | | |
| R548 | 1-208-750-11 | METAL CHIP | 47 | 0.5% | 1/10W | Doc: | 4 040 000 0 | 01100= | | | |
| D | 4 000 === | NACTA: 6: | 4- | | 4/4-51 | R634 | 1-216-295-91 | | 0 | | |
| R549 | | METAL CHIP | 47 | | 1/10W | R635 | 1-216-295-91 | | 0 | | |
| R550 | 1-208-756-11 | METAL CHIP | 82 | 0.5% | 1/10W | R638 | 1-216-295-91 | SHORT | 0 | | |
| | | | | | | 1 | | | | | |

13

| REF.NO. | PART NO. | DESCRIPTION | 1 | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | l | RI | EMARK |
|--------------|------------------------------|-------------|-----------|--------------|----------------|---------|--------------|-------------|-----------|-------------|-------------|
| R639 R640 | 1-216-017-91 1-216-009-91 | | 47 22 | 5% 5% | 1/10W 1/10W | R814 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| | | | | | | R815 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R642 | 1-216-295-91 | SHORT | 0 | | | R816 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R643 | 1-216-295-91 | SHORT | 0 | | | R817 | | METAL CHIP | | | 1/10W |
| R645 | 1-216-295-91 | | 0 | | | R819 | 1-216-295-91 | | 0 | | |
| R651 | 1-216-295-91 | | 0 | | | R820 | 1-216-295-91 | | 0 | | |
| R653 | 1-216-025-91 | | 100 | 5% | 1/10W | | | | - | | |
| | | | | | | R823 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R654 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R824 | 1-216-073-00 | | | 5% | 1/10W |
| R655 | 1-216-295-91 | | 0 | 0,0 | ., | R825 | | METAL CHIP | | | 1/10W |
| R657 | 1-216-009-91 | | 22 | 5% | 1/10W | R826 | | METAL CHIP | | | 1/10W |
| R658 | 1-216-049-91 | | 1K | 5% | 1/10W | R827 | | METAL CHIP | | | 1/10W |
| R659 | 1-216-025-91 | | 100 | 5% | 1/10W | 11027 | 1 210 007 11 | | .0 | 0.070 | 17 1011 |
| 11000 | 1 210 020 01 | KEO OI III | 100 | 070 | 171011 | R834 | 1-208-760-11 | METAL CHIP | 120 | 0.5% | 1/10W |
| R660 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R835 | | METAL CHIP | | | 1/10W |
| R661 | 1-216-025-91 | | 100 | 5% | 1/10W | R836 | | METAL CHIP | | | 1/10W |
| R664 | 1-216-009-91 | | 22 | 5% | 1/10W | R838 | 1-216-295-91 | | 0 | 0.570 | 17 10 00 |
| R665 | 1-216-035-00 | | 270 | 5% | 1/10W | R840 | 1-216-295-91 | | 0 | | |
| R666 | | METAL CHIP | 620 | | 1/10W | K040 | 1-210-293-91 | SHOKI | U | | |
| K000 | 1-210-040-11 | WETAL CHIP | 020 | 0.5% | 1/1000 | R844 | 1-216-009-91 | DEC CUID | 22 | 5% | 1/10W |
| DCCZ | 4 000 704 44 | METAL CLUD | 0.017 | 0.50/ | 4/40\4/ | | | | | | |
| R667 | | METAL CHIP | 3.3K | | 1/10W | R845 | 1-216-009-91 | | | 5% | 1/10W |
| R668 | 1-216-009-91 | | 22 | 5% | 1/10W | R846 | 1-216-009-91 | | | 5% | 1/10W |
| R670 | 1-216-295-91 | | 0 | 5 0/ | 4/40\4/ | R847 | 1-216-009-91 | | | 5% | 1/10W |
| R671 | 1-216-073-00 | | 10K | 5% | 1/10W | R848 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R672 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | D0.40 | 4 040 000 04 | DE0 0111D | 00 | 5 0/ | 4 /4 0) 4 / |
| | | | | | | R849 | 1-216-009-91 | | | 5% | 1/10W |
| R673 | 1-216-073-00 | | 10K | 5% | 1/10W | R850 | 1-216-009-91 | | | 5% | 1/10W |
| R674 | 1-216-073-00 | | 10K | 5% | 1/10W | R851 | 1-216-009-91 | | | 5% | 1/10W |
| R675 | 1-216-073-00 | | 10K | 5% | 1/10W | R852 | 1-216-009-91 | | | 5% | 1/10W |
| R676 | 1-216-073-00 | | 10K | 5% | 1/10W | R853 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R677 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | | | | | | |
| | | | | | | R854 | 1-216-009-91 | RES-CHIP | | 5% | 1/10W |
| R678 | 1-216-073-00 | | 10K | 5% | 1/10W | R855 | 1-216-009-91 | RES-CHIP | | 5% | 1/10W |
| R679 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R856 | 1-216-009-91 | RES-CHIP | | 5% | 1/10W |
| R680 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R857 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R681 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R858 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R682 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | | | | | | |
| | | | | | | R859 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R683 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R860 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R684 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R861 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R685 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R862 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R686 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R863 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R687 | 1-216-295-91 | SHORT | 0 | | | | | | | | |
| | | | | | | R864 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R688 | 1-216-061-00 | RES-CHIP | 3.3K | 5% | 1/10W | R865 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R689 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W | R866 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R690 | 1-216-295-91 | | 0 | | | R867 | 1-216-009-91 | | | 5% | 1/10W |
| R691 | 1-216-061-00 | | 3.3K | 5% | 1/10W | R868 | 1-216-009-91 | | | 5% | 1/10W |
| R692 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W | | | | | | |
| | | | | | | R869 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R693 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R870 | 1-216-009-91 | | | 5% | 1/10W |
| R694 | 1-216-295-91 | | 0 | | | R871 | 1-216-009-91 | | | 5% | 1/10W |
| R695 | 1-216-047-91 | | 820 | 5% | 1/10W | R872 | 1-216-009-91 | | | 5% | 1/10W |
| R696 | 1-216-049-91 | | 1K | 5% | 1/10W | R873 | 1-216-009-91 | | | 5% | 1/10W |
| R697 | 1-216-117-00 | | 680K | 5% | 1/10W | 11070 | 1 210 000 01 | 1120 01111 | | 0 70 | 17 1011 |
| 11007 | 1 210 117 00 | KEO OI III | 00011 | 070 | 171000 | R874 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W |
| R698 | 1-216-117-00 | RES-CHIP | 680K | 5% | 1/10W | R875 | 1-216-009-91 | | | 5% | 1/10W |
| R699 | 1-216-295-91 | | 0 | J /0 | 1/1044 | R876 | 1-216-009-91 | | | 5% | 1/10W |
| R801 | 1-216-009-91 | | 22 | 5 0/. | 1/10W | R877 | 1-216-009-91 | | | 5% | 1/10W |
| R802 | 1-216-009-91 | | 22 | 5% 5% | 1/10W | R878 | 1-216-009-91 | | | 5% 5% | 1/10W |
| R804 | | | 22 10K | 5% 5% | 1/10W | 17070 | 1-210-009-91 | NES-CITIF | 44 | J /0 | 1/1000 |
| 1.004 | 1-216-073-00 | NEO-CHIP | IUN | J70 | 1/1000 | D070 | 1 216 000 04 | DEC CLUD | 22 | E0/ | 1/10\\\ |
| Dooc | 1 200 200 11 | METAL CLUB | 101/ | 0.50/ | 4/40\4/ | R879 | 1-216-009-91 | | | 5% | 1/10W |
| R806 | | METAL CHIP | 10K | | 1/10W | R880 | 1-216-009-91 | | | 5% | 1/10W |
| R807 | | METAL CHIP | 270 | | 1/10W | R881 | 1-216-009-91 | | | 5% | 1/10W |
| R812 | 1-216-073-00 | | 10K | 5% | 1/10W | R882 | 1-216-009-91 | | | 5% | 1/10W |
| R813 | 1-216-295-91 | 2HOK I | 0 | | | R883 | 1-216-009-91 | KE2-CHIP | 22 | 5% | 1/10W |



| REF.NO. | PART NO. | DESCRIPTION | l | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | 1 | R | EMARK |
|--------------|--------------|--------------|------|-------------|-----------|---------|---|-------------------|------------|-------------|-------------|
| R884 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R958 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R885 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R959 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R886 | 1-216-009-91 | | 22 | 5% | 1/10W | R960 | | METAL CHIP | 220 | | 1/10W |
| R887 | 1-216-009-91 | | 22 | 5% | 1/10W | R961 | | METAL CHIP | 220 | | 1/10W |
| R888 | 1-216-009-91 | | 22 | 5% | 1/10W | | | | | 0.070 | ., |
| | | | | | | R962 | | METAL CHIP | 220 | 0.5% | 1/10W |
| R889 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R979 | 1-216-295-91 | SHORT | 0 | | |
| R890 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R981 | 1-216-037-00 | RES-CHIP | 330 | 5% | 1/10W |
| R891 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R982 | 1-216-037-00 | RES-CHIP | 330 | 5% | 1/10W |
| R892 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | R983 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R893 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | D004 | 1 010 001 00 | DE0 01 11D | 0.017 | 5 0/ | 4/4014/ |
| D004 | 4 040 000 04 | DEC CLUD | 00 | F0/ | 4/40\\ | R984 | 1-216-061-00 | | 3.3K | 5% | 1/10W |
| R894 | 1-216-009-91 | | 22 | 5% | 1/10W | R985 | 1-216-113-00 | | 470K | 5% | 1/10W |
| R895 | 1-216-009-91 | | 22 | 5% | 1/10W | R986 | 1-216-061-00 | | 3.3K | 5% | 1/10W |
| R896 | 1-216-009-91 | | 22 | 5% | 1/10W | R987 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R897 | 1-216-009-91 | | 22 | 5% | 1/10W | R988 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R898 | 1-216-009-91 | RES-CHIP | 22 | 5% | 1/10W | DOOO | 1 216 001 00 | DEC CUID | 221/ | E0/ | 4/40\\ |
| DOOO | 4 040 070 00 | DEC CLUD | 401/ | F0/ | 4/40\\ | R989 | 1-216-081-00 | | 22K | 5% | 1/10W |
| R899 | 1-216-073-00 | | 10K | 5% | 1/10W | R990 | 1-216-113-00 | | 470K | 5% | 1/10W |
| R901 | 1-216-061-00 | | 3.3K | 5% | 1/10W | R991 | 1-216-295-91 | | 0 | 5 0/ | 4 /4 0) 4 / |
| R902 | | METAL CHIP | 2.2K | | 1/10W | R993 | 1-216-089-91 | | 47K | 5% | 1/10W |
| R903 | | METAL CHIP | 3.3K | | 1/10W | R994 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R904 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W | DO05 | 1 216 022 00 | DEC CLUD | 220 | E0/ | 1/10\\ |
| DOOF | 4 040 005 11 | METAL OLUB | 222 | 0.50/ | 4/40\4/ | R995 | 1-216-033-00 | | 220 | 5% | 1/10W |
| R905 | | METAL CHIP | 220 | | 1/10W | R996 | 1-216-037-00 | | 330 | 5% | 1/10W |
| R906 | | METAL CHIP | 220 | | 1/10W | R997 | 1-216-037-00 | | 330 | 5% | 1/10W |
| R907 | | METAL CHIP | 220 | | 1/10W | R998 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R908 | | METAL CHIP | 220 | | 1/10W | R2801 | 1-208-760-11 | METAL CHIP | 120 | 0.5% | 1/10W |
| R909 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W | | | | | | |
| | | | | | | R2802 | | METAL CHIP | 68 | | 1/10W |
| R910 | 1-216-049-91 | | 1K | 5% | 1/10W | R2803 | | METAL CHIP | 10 | | 1/10W |
| R911 | 1-216-049-91 | | 1K | 5% | 1/10W | R2804 | | METAL CHIP | 100 | | 1/10W |
| R912 | 1-216-049-91 | | 1K | 5% | 1/10W | R2805 | | METAL CHIP | 68 | | 1/10W |
| R914 | 1-216-065-91 | | 4.7K | 5% | 1/10W | R2806 | 1-211-960-11 | METAL CHIP | 22 | 0.5% | 1/10W |
| R916 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | | | | | | |
| | | | | | | R2809 | 1-216-295-91 | | 0 | | |
| R923 | 1-216-057-00 | | 2.2K | 5% | 1/10W | R2810 | 1-216-295-91 | | 0 | | |
| R926 | 1-216-057-00 | | 2.2K | 5% | 1/10W | R2813 | 1-216-295-91 | | 0 | | |
| R927 | 1-216-295-91 | | 0 | 5 0/ | 4/4014/ | R2815 | 1-216-295-91 | | 0 | | |
| R929 | 1-216-025-91 | | 100 | 5% | 1/10W | R2817 | 1-216-295-91 | SHORT | 0 | | |
| R930 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | D0040 | 4 040 005 04 | CHODE | 0 | | |
| D004 | 4 040 044 00 | DEC CLUD | 470 | 5 0/ | 4/40\\ | R2818 | 1-216-295-91 | | 0 | | |
| R931 | 1-216-041-00 | | 470 | 5% | 1/10W | R2820 | 1-216-295-91 | | 0 | | |
| R933 | 1-216-025-91 | | 100 | 5% | 1/10W | R2822 | 1-216-295-91 | 2HUK I | 0 | | |
| R934 | 1-216-025-91 | | 100 | 5% | 1/10W | | | | | | |
| R935 | 1-216-073-00 | | 10K | 5% | 1/10W | | NICTIVIODIC | DECICEOR | | | |
| R936 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W | | <network< td=""><td>KESISTOR></td><td></td><td></td><td></td></network<> | KESISTOR> | | | |
| R937 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | RB001 | 1-239-409-11 | NETWORK RE | SISTOR (CH | HIP) 47 | |
| R938 | 1-216-025-91 | | 100 | 5% | 1/10W | RB002 | | NETWORK RE | | | |
| R939 | 1-216-225-91 | | 0 | J /0 | 1, 10 4 4 | RB002 | | NETWORK RE | , | , | |
| R939 R940 | 1-216-295-91 | | 0 | | | RB003 | | NETWORK RE | , | , | |
| R940 | 1-216-295-91 | | 0 | | | RB004 | | NETWORK RE | , | , | |
| | 0 _ 00 01 | | - | | | | | | | , | |
| R942 | 1-216-037-00 | RES-CHIP | 330 | 5% | 1/10W | RB006 | 1-239-409-11 | NETWORK RE | SISTOR (CH | HIP) 47 | |
| R943 | 1-216-033-00 | | 220 | 5% | 1/10W | RB007 | | NETWORK RE | | | |
| R944 | 1-216-295-91 | SHORT | 0 | | | RB008 | 1-239-414-11 | NETWORK RE | SISTOR (CH | HIP) 150 | 0 |
| R945 | 1-216-295-91 | | 0 | | | RB009 | | NETWORK RE | , | , | |
| R951 | 1-216-057-00 | | 2.2K | 5% | 1/10W | RB010 | | NETWORK RE | , | , | |
| B | | D=0 01 | 2.21 | | | | | | | | _ |
| R952 | 1-216-057-00 | | 2.2K | 5% | 1/10W | RB011 | | NETWORK RE | | | |
| R953 | 1-216-295-91 | | 0 | | | RB012 | | NETWORK RE | , | , | |
| R954 | 1-216-295-91 | SHORT | 0 | | | RB013 | | NETWORK RE | , | , | |
| R955 | 1-216-295-91 | SHORT | 0 | | | RB014 | 1-239-621-11 | NETWORK RE | SISTOR (CH | HP) 22 | |
| R956 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | RB015 | 1-239-621-11 | NETWORK RE | SISTOR (CH | HIP) 22 | |
| D05- | 10100== | NETA: 0: ::= | 000 | 0 ==: | 4/4-514: | DE 2.1- | 4 000 05: : | NET//05::= | 0.0705 | up\ -: | |
| R957 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W | RB016 | 1-239-621-11 | NETWORK RE | SISTOR (CH | HIP) 22 | |
| | | | | | | | | | | | |

B3 A1

| | | | | | | | | | | ╧ | <u> </u> |
|----------------|---|-------------------|------------|------------|------------|----------------|------------------------------|---------------------|---------------|----------|------------|
| REF.NO. | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
| | | | | | | | | | | | |
| RB017 | 1-239-621-11 | NETWORK RES | SISTOR (CH | HIP) 22 | • | C1204 | 1-115-419-11 | CERAMIC CHIP | 3300pF 5 | % | 25V |
| RB018 | | NETWORK RES | | | | C1205 | | CERAMIC CHIP | | % | 25V |
| RB019 | | NETWORK RES | | | | C1206 | | CERAMIC CHIP | | | 16V |
| RB020 | | NETWORK RES | ` | , | | - 1 - 2 - 2 | | | | | |
| .12020 | . 200 .00 | | | , | | C1208 | 1-107-725-11 | CERAMIC CHIP | 0.1uF 1 | 0% | 16V |
| RB021 | 1-239-409-11 | NETWORK RES | SISTOR (CH | HP) 47 | • | C1209 | | CERAMIC CHIP | | | 16V |
| RB022 | | NETWORK RES | , | , | | C1210 | | CERAMIC CHIP | • | 0% | 16V |
| RB023 | | NETWORK RES | | | | C1211 | 1-107-823-11 | CERAMIC CHIP | 0.47µF 1 | 0% | 16V |
| RB024 | 1-239-409-11 | NETWORK RES | SISTOR (CH | HIP) 47 | • | C1213 | 1-107-725-11 | CERAMIC CHIP | 0.1µF 1 | 0% | 16V |
| RB025 | 1-239-409-11 | NETWORK RES | SISTOR (CI | HP) 47 | • | | | | | | |
| | | | | | | C1215 | 1-164-505-11 | CERAMIC CHIP | 2.2µF | | 16V |
| RB026 | | NETWORK RES | , | , | | C1217 | 1-164-505-11 | CERAMIC CHIP | 2.2µF | | 16V |
| RB027 | | NETWORK RES | | | | C1219 | | CERAMIC CHIP | | % | 50V |
| RB301 | | NETWORK RES | | | | C1220 | 1-107-715-11 | | • | | 16V |
| RB302 | | NETWORK RES | , | , | | C1221 | 1-137-150-11 | MYLAR | $0.01\mu F$ 5 | % | 50V |
| RB701 | 1-239-711-91 | NETWORK RES | SISTOR (CH | HIP) 0 | | | | | | | |
| | | | | | | C1222 | 1-126-962-11 | | | | 50V |
| RB702 | | NETWORK RES | , | , | | C1223 | | CERAMIC CHIP | | | 25V |
| RB703 | | NETWORK RES | | | | C1224 | 1-126-933-11 | | | | 16V |
| RB704 | | NETWORK RES | | | | C1225 | 1-126-933-11 | - | | | 16V |
| RB705 | | NETWORK RES | , | , | | C1226 | 1-126-933-11 | ELECT | 100µF 2 | 0% | 16V |
| RB706 | 1-239-711-91 | NETWORK RES | SISTOR (CF | HP) 0 | | 04007 | 4 404 004 44 | CEDAMIC CLUD | 04 | 00/ | 25V |
| | | | | | | C1227 C1228 | | CERAMIC CHIP | | | |
| | <crystal></crystal> | | | | | C1228 | 1-104-004-11 | CERAMIC CHIP | | | 25V 16V |
| | CK131AL> | | | | | C1229 | 1-126-767-11 | | 1 | 0% 0% | 16V 16V |
| X801 | 1_781_649_21 | OSCILLATOR, O | RYSTAL (| 54MHz | ·) | C1230 | | CERAMIC CHIP | | | 16V 16V |
| X802 | | VIBRATOR, CR | , | | , | 01231 | 1-107-725-11 | OLIVAWIO OF III | 0.1μ1 1 | 0 70 | 10 V |
| X901 | | VIBRATOR, CE | | | -) | C1310 | 1-115-339-11 | CERAMIC CHIP | 0.1uF 1 | 0% | 50V |
| | | ****** | | | ***** | C1311 | | CERAMIC CHIP | | % | 50V |
| | | | | | | C1312 | 1-104-664-11 | | | | 16V |
| , | * A-1299-176- <i>A</i> | A A1 BOARD, CC | MPLETE | | | C1314 | 1-126-933-11 | | • | 0% | 16V |
| | | ***** | | | | C1315 | | CERAMIC CHIP | | 0% | 16V |
| | | | | | | | | | · | | |
| | | | | | | C1316 | 1-126-933-11 | ELECT | 100μF 2 | 0% | 16V |
| • | * 1-555-110-00 | CABLE, PIN | | | | C1317 | 1-163-005-11 | CERAMIC CHIP | 470pF 1 | 0% | 50V |
| | 4-382-854-11 | SCREW (M3X10 | | | | C1321 | 1-126-933-11 | | • | | 16V |
| | | (IC1601, IC160 | | IC1604 | 1, IC1605) | C1323 | | CERAMIC CHIP | | 0% | 16V |
| | 4-389-026-11 | SHEET, BN (IC1 | 1604) | | | C1324 | 1-163-005-11 | CERAMIC CHIP | 470pF 1 | 0% | 50V |
| | OOMEU TEI | MODULE | | | | 04005 | 4 400 000 44 | FLEOT | 400 F | 00/ | 40\/ |
| | <comfilter< td=""><td>R MODULE></td><td></td><td></td><td></td><td>C1325</td><td>1-126-933-11</td><td></td><td></td><td>0%</td><td>16V</td></comfilter<> | R MODULE> | | | | C1325 | 1-126-933-11 | | | 0% | 16V |
| BC4 | 1 772 604 11 | 3D COMFILTER | MODILLE | DICIT | ٨١ | C1326 C1327 | 1-126-933-11 1-104-665-11 | - | • | 0% | 16V 25V |
| DC4 | 1-772-094-11 | 3D CONFILTER | . WODULE, | DIGIT | AL | C1327 | 1-104-005-11 | | | | 50V |
| | | | | | | C1329 | | CERAMIC CHIP | | | 50V |
| | <capacito< td=""><td>₹></td><td></td><td></td><td></td><td>01023</td><td>1 100 000 11</td><td>OLIV WIIO OI III</td><td>47 Opt 1</td><td>0 70</td><td>00 V</td></capacito<> | ₹> | | | | 01023 | 1 100 000 11 | OLIV WIIO OI III | 47 Opt 1 | 0 70 | 00 V |
| | | | | | | C1330 | 1-163-005-11 | CERAMIC CHIP | 470pF 1 | 0% | 50V |
| C1101 | 1-126-935-11 | ELECT | 470µF | 20% | 16V | C1331 | | CERAMIC CHIP | • | | 50V |
| C1102 | 1-126-964-11 | | 10μF | 20% | | C1332 | 1-126-967-11 | | | | 50V |
| C1103 | 1-126-960-11 | | 1μF | 20% | | C1333 | 1-104-665-11 | | • | | 25V |
| C1104 | 1-126-960-11 | ELECT | 1µF | 20% | | C1334 | 1-126-933-11 | ELECT | 100µF 2 | 0% | 16V |
| C1105 | 1-126-041-11 | ELECT | 2200µF | 20% | 35V | | | | | | |
| | | | | | | C1335 | 1-163-005-11 | CERAMIC CHIP | 470pF 1 | 0% | 50V |
| C1106 | 1-136-165-00 | MYLAR | 0.1µF | 5% | 50V | C1336 | | CERAMIC CHIP | | 0% | |
| C1107 | 1-136-165-00 | | 0.1µF | 5% | 50V | C1337 | | CERAMIC CHIP | | 0% | 50V |
| C1108 | 1-104-664-11 | | 47μF | 20% | | C1401 | | CERAMIC CHIP | • | | 16V |
| C1109 | 1-104-664-11 | | 47µF | 20% | | C1601 | 1-164-004-11 | CERAMIC CHIP | 0.1µF 1 | 0% | 25V |
| C1110 | 1-164-004-11 | CERAMIC CHIP | ' 0.1µF | 10% | 25V | 04000 | 4 404 004 44 | CEDAMIC CLUD | 0.4 | 00/ | 251 |
| C1111 | 1 126 044 44 | ELECT | 2200 | 200/ | 35\/ | C1602 | | CERAMIC CHIP | | | 25V |
| C1111 | 1-126-041-11 | | 2200µF | 20% 10% | | C1603 C1604 | | CERAMIC CHIP | | | 25V 16V |
| C1114 C1116 | 1-104-004-11 | CERAMIC CHIP | 100μF | 20% | | C1604 | 1-126-933-11 | CERAMIC CHIP | | | 16V 25V |
| C1116 C1117 | | CERAMIC CHIP | • | 10% | | C1605 | 1-104-004-11 | | • | | 25V 16V |
| C1117 C1201 | | CERAMIC CHIP | | 10% | | 0 1000 | 1-120-933-11 | LLLOI | 100μΓ 2 | U /0 | 100 |
| 01201 | | SELO WILLO OF III | J. ι μι | . 0 /0 | 10 4 | C1607 | 1-164-004-11 | CERAMIC CHIP | 0.1uF 1 | 0% | 25V |
| C1202 | 1-126-934-11 | ELECT | 220µF | 20% | 16V | C1608 | 1-126-933-11 | | | | 16V |
| C1203 | 1-126-965-11 | | 22µF | 20% | | C1610 | | CERAMIC CHIP | | | 25V |
| | | | - | | | I | | | - | | |



| DEE NO | _I . PART NO. | DESCRIPTION | REMARK | DEE NO | PART NO. | DESCRIPTION | ı. | REMARK |
|----------------------------------|---|--|---|----------------------------|---|--|-------------|--------|
| KEF.NO. | PARTINO. | DESCRIPTION | REWIARK | KEF.NO. | PART NO. | DESCRIPTION | <u> </u> | KEWAKK |
| C1611 C1612 | 1-126-916-11 1-126-925-11 | • | 20% 6.3V 20% 10V | D1406 D1409 | | DIODE DAN202 DIODE MA8039 | | |
| C1615 C1616 C1617 C1619 | 1-126-916-11 1-126-925-11 | | 10% 25V 20% 6.3V 20% 10V 10% 25V | D1410 D1411 D1412 | 8-719-402-92 | 2 DIODE MA3220 2 DIODE MA3220 DIODE 1SS355 | OM-TX | |
| | 00111505 | | | | <ferritbe <="" td=""><td>AD></td><td></td><td></td></ferritbe> | AD> | | |
| CN1001 | <connect(< td=""><td>UK> I CONNECTOR, BOARD 1</td><td>O BOARD 50P</td><td>FB1301</td><td>1-216-295-91</td><td>SHORT</td><td>0</td><td></td></connect(<> | UK> I CONNECTOR, BOARD 1 | O BOARD 50P | FB1301 | 1-216-295-91 | SHORT | 0 | |
| CN1102 CN1201 | * 1-564-507-11 1-695-299-11 | PLUG, CONNECTOR 4P CONNECTOR, BOARD T PLUG, CONNECTOR 5P | TO BOARD 50P | | <ic></ic> | | | |
| | | PLUG, CONNECTOR 10 CONNECTOR, BOARD | | IC1101 IC1201 IC1202 | 8-759-273-12 |) IC TDA7265 2 IC TDA7315D0 3 IC TDA2822D0 | | |
| CN1501 CN1502 | 1-785-802-11 1-785-802-11 | PIN, CONNECTOR (WIT PIN, CONNECTOR (WIT PLUG, CONNECTOR 8P | H PWB) 20P H PWB) 20P | IC1301 IC1601 | 8-759-042-02 | 2 IC S-80743AL-/ 3 IC PQ05RF11 | | |
| CN1504 | * 1-564-508-11 | PLUG, CONNECTOR 5P | | IC1602 IC1603 IC1604 | | B IC PQ09RF2 B IC PQ30RV21 IC PQ5EV3 | | |
| CN1605 CN1606 | * 1-508-765-00 * 1-564-508-11 |) PIN, CONNECTOR (5MM PLUG, CONNECTOR 5P TAB (CONTACT) | 1 PITCH) 3P | IC1605 | | B IC PQ05RF11 | | |
| | | TAB (CONTACT) | | | <chip cone<="" td=""><td>DUCTOR></td><td></td><td></td></chip> | DUCTOR> | | |
| | | TAB (CONTACT) CONNECTOR, BOARD | TO BOARD 50P | JR1001 JR1002 JR1003 | 1-216-295-91 1-216-295-91 | SHORT SHORT | 0 0 0 | |
| | <composit< td=""><td>TION CIRCUIT BLOCK></td><td></td><td>JR1004 JR1005</td><td>1-216-295-91 1-216-295-91</td><td></td><td>0 0</td><td></td></composit<> | TION CIRCUIT BLOCK> | | JR1004 JR1005 | 1-216-295-91 1-216-295-91 | | 0 0 | |
| CP1302 | 1-251-658-31 | SPLITTER RF | | JR1006 JR1007 | 1-216-295-91 1-216-295-91 | | 0 0 | |
| | <diode></diode> | | | JR1008 JR1009 JR1010 | 1-216-295-91 1-216-295-91 1-216-295-91 | SHORT | 0 0 0 | |
| D1101 D1102 | | DIODE 1SS355TE-17 DIODE 1SS355TE-17 | | | 1-216-295-91 | | 0 | |
| D1103 D1104 | 8-719-988-61 | DIODE 1SS355TE-17 DIODE 1SS355TE-17 | | | 1-216-295-91 | SHORT | 0 0 | |
| D1105 D1106 | | B DIODE DAN202K B DIODE DAN202K | | JR1015 JR1016 | 1-216-295-91 1-216-295-91 | | 0 0 | |
| D1106 D1107 D1108 | 8-719-402-92 | 2 DIODE MA3220M-TX I DIODE 1SS355TE-17 | | JR1017 JR1018 | 1-216-295-91 1-216-295-91 | | 0 0 | |
| D1109 D1110 | 8-719-988-61 | DIODE 1SS355TE-17 DIODE MA3220M-TX | | JR1019 JR1020 | 1-216-295-91 1-216-295-91 | | 0 | |
| D1111 | | 2 DIODE MA3220M-TX | | JR1023 | 1-216-295-91 | | 0 | |
| D1112 D1201 | 8-719-988-61 | DIODE MA3220M-TX DIODE 1SS355TE-17 | | JR1028 JR1031 | 1-216-295-91 1-216-295-91 | SHORT | 0 | |
| D1202 D1204 | | B DIODE DAN202K B DIODE DAN202K | | JR1032 JR1033 JR1034 | 1-216-295-91 1-216-295-91 1-216-295-91 | SHORT | 0 0 0 | |
| D1205 D1206 | | DIODE 1SS355TE-17 DIODE UDZ-TE-17-2.4B | | JR1035 | 1-216-295-91 | | 0 | |
| D1301 D1401 | | DIODE MA111-(K8).S0 DIODE UDZ-TE-17-6.2B | | JR1201 JR1202 | 1-216-295-91 1-216-295-91 | | 0 0 | |
| D1401 | | 2 DIODE UDZ-TE-17-6.2B | | JR1303 JR1305 | 1-216-295-91 1-216-295-91 | SHORT | 0 | |
| D1403 D1404 D1405 | 8-719-056-82 | 2 DIODE UDZ-TE-17-6.2B 2 DIODE UDZ-TE-17-6.2B 3 DIODE UDZ-TE-17-6.8B | | JR1306 JR1601 | 1-216-295-91 1-216-295-91 | | 0 | |



| | | | | | | | | | | L | / \ . |
|----------------|--|--------------|------------------|-------------|--------|---------|--------------|-------------|------------|-------------|--------------|
| REF.NO | . PART NO. | DESCRIPTION | N | F | REMARK | REF.NO. | PART NO. | DESCRIPTION | l | F | REMARK |
| | | | | | | | | | | | |
| JR1603 | 1-216-295-91 | SHORT | 0 | | | R1112 | 1-216-295-91 | SHORT | 0 | | |
| JR1604 | 1-414-193-41 | INDUCTOR | 220µH | | | R1113 | 1-216-061-00 | RES-CHIP | 3.3K | 5% | 1/10W |
| | | | | | | R1114 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| | | | | | | R1115 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| | <coil></coil> | | | | | D4440 | 4 040 005 04 | CLIODT | 0 | | |
| 1.400.4 | 4 444 050 44 | INDUIGTOR | 40.11 | | | R1116 | 1-216-295-91 | | 0 | 5 07 | 4 /4 014 / |
| L1304 | 1-414-856-11 | | 10µH | | | R1117 | 1-216-061-00 | | 3.3K | 5% | 1/10W |
| L1305 | 1-414-856-11 | | 10μH | | | R1118 | 1-216-079-00 | | 18K | 5% | 1/10W |
| L1306 | 1-414-856-11 | INDUCTOR | 10µH | | | R1119 | 1-216-079-00 | RES-CHIP | 18K | 5% | 1/10W |
| L1307 | 1-414-856-11 | | 10µH | | | R1120 | 1-216-043-91 | RES-CHIP | 560 | 5% | 1/10W |
| L1308 | 1-414-856-11 | INDUCTOR | 10µH | | | R1121 | 1-216-043-91 | DES-CHID | 560 | 5% | 1/10W |
| L1309 | 1-414-856-11 | INDLICTOR | 10µH | | | R1122 | | METAL OXIDE | | 5% | 1/10** 1W |
| | | | | | | R1123 | | | | | 1/4W |
| L1310 | 1-414-856-11 | | 10µH | | | | 1-249-381-11 | | 1 | 5% | |
| L1311 | 1-414-856-11 | | 10μH | | | R1124 | | METAL OXIDE | | 5% | 1W |
| L1312 L1313 | 1-414-856-11 1-414-856-11 | | 10µH | | | R1126 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| LISIS | 1-414-050-11 | INDUCTOR | 10µH | | | R1127 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| L1314 | 1-414-856-11 | INDLICTOR | 10µH | | | R1128 | 1-216-049-91 | | 1K | 5% | 1/10W |
| LISIT | 1 414 030 11 | INDOOTOR | τομιτ | | | R1130 | 1-216-089-91 | | 47K | 5% | 1/10W |
| | | | | | | R1131 | 1-216-089-91 | | 47K 47K | 5% | 1/10W |
| | TDANCICTO | D . | | | | | | | | | |
| | <transist(< td=""><td>JK></td><td></td><td></td><td></td><td>R1201</td><td>1-216-033-00</td><td>RES-CHIP</td><td>220</td><td>5%</td><td>1/10W</td></transist(<> | JK> | | | | R1201 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| Q1101 | 8-729-120-28 | TRANSISTOR : | 2SC1623-L5 | 5L6 | | R1202 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| Q1102 | | TRANSISTOR : | | | i-R | R1203 | 1-216-033-00 | | 220 | 5% | 1/10W |
| Q1103 | | TRANSISTOR | | | | R1204 | 1-216-033-00 | | 220 | 5% | 1/10W |
| Q1104 | | TRANSISTOR | | | | R1206 | 1-216-067-00 | | 5.6K | 5% | 1/10W |
| Q1105 | | TRANSISTOR | | | | R1207 | 1-216-295-91 | | 0.010 | 070 | 171000 |
| QTIOS | 0-729-120-20 | TRANSISTOR | 2001025-20 | JLO | | 101201 | 1-210-295-91 | SHORT | U | | |
| Q1106 | 8-729-026-49 | TRANSISTOR : | 2SA1037AK | -T-146 | i-R | R1209 | 1-216-067-00 | RES-CHIP | 5.6K | 5% | 1/10W |
| Q1201 | 8-729-026-49 | TRANSISTOR : | 2SA1037AK | -T-146 | i-R | R1210 | 1-216-295-91 | SHORT | 0 | | |
| Q1202 | 8-729-120-28 | TRANSISTOR : | 2SC1623-L5 | 5L6 | | R1211 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| Q1203 | 8-729-026-49 | TRANSISTOR : | 2SA1037AK | -T-146 | -R | R1212 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| Q1204 | 8-729-120-28 | TRANSISTOR : | 2SC1623-L5 | 5L6 | | R1213 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| 0 | | | | | | | | 5500005 | | | |
| Q1205 | | TRANSISTOR : | | | | R1214 | 1-216-073-00 | | 10K | 5% | 1/10W |
| Q1206 | | TRANSISTOR : | | | | R1215 | 1-216-067-00 | | 5.6K | 5% | 1/10W |
| Q1207 | | TRANSISTOR : | | | | R1216 | 1-216-097-91 | | 100K | 5% | 1/10W |
| Q1208 | | TRANSISTOR : | | - | | R1217 | 1-216-097-91 | | 100K | 5% | 1/10W |
| Q1209 | 8-729-026-49 | TRANSISTOR | 2SA1037AK | -T-146 | i-R | R1218 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| Q1308 | 9 720 026 40 | TRANSISTOR | 26 V 1 U 2 Z V K | T 1/6 | : D | R1219 | 1-216-073-00 | DEC CHID | 10K | 5% | 1/10W |
| Q1309 | | TRANSISTOR | | | | R1220 | 1-216-089-91 | | 47K | 5% | 1/10W |
| Q1309 Q1310 | | TRANSISTOR | | |)-IX | R1221 | 1-216-073-00 | | 10K | 5% | 1/10W |
| Q1310 Q1311 | | TRANSISTOR | | | ь | R1221 | 1-216-081-00 | | 22K | | 1/10W |
| | | | | |)-K | 1 | | | | 5% | |
| Q1312 | 8-729-120-28 | TRANSISTOR : | 2501623-L | oL6 | | R1223 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| Q1401 | 8-729-026-49 | TRANSISTOR | 2SA1037AK | -T-146 | i-R | R1224 | 1-216-081-00 | RES-CHIP | 22K | 5% | 1/10W |
| Q1402 | 8-729-120-28 | TRANSISTOR : | 2SC1623-L5 | 5L6 | | R1225 | 1-216-033-00 | | 220 | 5% | 1/10W |
| Q1409 | 8-729-026-49 | TRANSISTOR : | 2SA1037AK | -T-146 | i-R | R1226 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| | | | | | | R1228 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| | | | | | | R1229 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| | <resistor:< td=""><td>></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></resistor:<> | > | | | | | | | | | |
| | | | | | | R1230 | 1-216-308-00 | RES-CHIP | 4.7 | 5% | 1/10W |
| R1101 | 1-216-081-00 | RES-CHIP | 22K | 5% | 1/10W | R1231 | 1-216-295-91 | SHORT | 0 | | |
| R1102 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | R1232 | 1-216-295-91 | SHORT | 0 | | |
| R1103 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | R1233 | 1-216-295-91 | SHORT | 0 | | |
| R1104 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R1234 | 1-216-295-91 | SHORT | 0 | | |
| R1105 | 1-216-113-00 | RES-CHIP | 470K | 5% | 1/10W | | | | | | |
| D4:00 | 4 040 000 - | DE0 0/ "D | 4717 | E C. | 4/4614 | R1235 | 1-216-081-00 | | 22K | 5% | 1/10W |
| R1106 | 1-216-089-91 | | 47K | 5% | 1/10W | R1236 | 1-216-089-91 | | 47K | 5% | 1/10W |
| R1107 | 1-216-057-00 | | 2.2K | 5% | 1/10W | R1237 | 1-216-081-00 | | 22K | 5% | 1/10W |
| R1108 | 1-216-073-00 | | 10K | 5% | 1/10W | R1249 | 1-216-308-00 | | 4.7 | 5% | 1/10W |
| R1109 | 1-216-041-00 | | 470 | 5% | 1/10W | R1329 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R1110 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | | | D=0 01 | 2 214 | | |
| | | DEG 5::::= | | | | R1330 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| R1111 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W | R1331 | 1-216-065-91 | KES-CHIP | 4.7K | 5% | 1/10W |
| | | | | | | | | | | | |

A1 M1

| REF.NO. | PART NO. | DESCRIPTIO | N | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | R | EMARK |
|--|---|--------------------|-----------|-------------|--------|----------------------|---|--|-------|--------------------------|
| R1332 | 1-216-043-91 | RES-CHIP | 560 | 5% | 1/10W | | * A-1306-588-A | M1 BOARD, COMPLETE | | |
| R1333 | 1-216-039-00 | | 390 | 5% | 1/10W | | | ******* | | |
| R1334 | 1-216-025-91 | | 100 | 5% | 1/10W | | | | | |
| | | | | | | | | | | |
| R1335 | 1-216-049-91 | | 1K | 5% | 1/10W | | <capacitor< td=""><td>₹></td><td></td><td></td></capacitor<> | ₹> | | |
| R1336 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | |
| R1337 | 1-216-017-91 | | 47 | 5% | 1/10W | C001 | 1-126-960-11 | ELECT 1µF | 20% | 50V |
| R1338 | 1-216-295-91 | SHORT | 0 | | | C002 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V |
| 21341 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C003 | 1-163-037-11 | CERAMIC CHIP 0.022µF | 10% | 50V |
| | | | | | | C004 | | CERAMIC CHIP 0.1µF | | 25V |
| R1342 | 1-216-295-91 | SHORT | 0 | | | C007 | | CERAMIC CHIP 0.1µF | | 25V |
| R1344 | 1-216-043-91 | | 560 | 5% | 1/10W | 000. | | оши или от ин | | _0. |
| R1345 | 1-216-039-00 | | 390 | 5% | 1/10W | C010 | 1-126-933-11 | ELECT 100µF | 20% | 16V |
| R1346 | 1-216-073-00 | | 10K | 5% | 1/10W | C013 | | CERAMIC CHIP 0.033µF | 10% | |
| R1347 | 1-216-025-91 | | 100 | 5% | 1/10W | C014 | | CERAMIC CHIP 0.01µF | 10% | |
| (1341 | 1-210-025-91 | KL3-CHIF | 100 | 3/0 | 1/1000 | C014 | | CERAMIC CHIP 33pF | 5% | 50V |
| 24240 | 4 040 005 04 | DEC CLUD | 400 | 5 0/ | 4/40\\ | | | | | |
| R1348 | 1-216-025-91 | | 100 | 5% | 1/10W | C016 | 1-163-239-11 | CERAMIC CHIP 33pF | 5% | 50V |
| R1349 | 1-216-025-91 | | 100 | 5% | 1/10W | | | | | _ |
| R1350 | 1-216-025-91 | | 100 | 5% | 1/10W | C017 | | CERAMIC CHIP 10pF | 0.50p | |
| R1351 | 1-216-017-91 | | 47 | 5% | 1/10W | C018 | | CERAMIC CHIP 0.01µF | | 50V |
| R1352 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C019 | | CERAMIC CHIP 47pF | 5% | 50V |
| | | | | | | C020 | | CERAMIC CHIP 56pF | 5% | 50V |
| R1402 | 1-216-081-00 | RES-CHIP | 22K | 5% | 1/10W | C021 | 1-163-227-11 | CERAMIC CHIP 10pF | 0.50p | F 50 |
| R1403 | 1-208-782-11 | METAL CHIP | 1K | 0.5% | 1/10W | | | | | |
| R1404 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C022 | 1-163-227-11 | CERAMIC CHIP 10pF | 0.50p | F 50 |
| R1405 | 1-208-826-11 | METAL CHIP | 68K | 0.5% | 1/10W | C023 | 1-126-967-11 | ELECT 47µF | 20% | 50V |
| R1406 | 1-208-822-11 | METAL CHIP | 47K | 0.5% | 1/10W | C024 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V |
| | | | | | | C025 | 1-126-933-11 | • | 20% | |
| R1407 | 1-208-817-11 | METAL CHIP | 30K | 0.5% | 1/10W | C026 | | CERAMIC CHIP 0.001µF | | 50V |
| R1408 | | METAL CHIP | 4.7K | | 1/10W | 0020 | 1 100 000 11 | одинино от ш отоотра | 1070 | 001 |
| R1409 | 1-216-081-00 | | 22K | 5% | 1/10W | C027 | 1 162 021 01 | CERAMIC CHIP 0.01µF | 10% | 50\/ |
| R1436 | 1-216-295-91 | | 0 | 370 | 1/1000 | C027 | 1-126-933-11 | | 20% | |
| | | | | | | 1 | | | | |
| R1437 | 1-216-295-91 | SHUKT | 0 | | | C030 | | CERAMIC CHIP 0.01µF | 10% | |
| 24.400 | 4 040 005 04 | OLIODT | 0 | | | C032 | 1-126-933-11 | • | 20% | |
| R1438 | 1-216-295-91 | | 0 | | | C033 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V |
| R1439 | 1-216-295-91 | | 0 | | | _ | | | | |
| R1440 | 1-216-295-91 | | 0 | | | C034 | | CERAMIC CHIP 47pF | 5% | 50V |
| R1441 | 1-216-295-91 | | 0 | | | C035 | | CERAMIC CHIP 220pF | 10% | |
| R1452 | 1-216-295-91 | SHORT | 0 | | | C036 | | CERAMIC CHIP 100pF | 5% | 50V |
| | | | | | | C037 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% | 50V |
| R1453 | 1-216-295-91 | SHORT | 0 | | | C038 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% | 50V |
| R1460 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | | | | | |
| R1461 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | C039 | 1-163-251-11 | CERAMIC CHIP 100pF | 5% | 50V |
| R1462 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | C040 | | CERAMIC CHIP 0.47µF | | 25V |
| 1601 | 1-216-295-91 | | 0 | | | C041 | | CERAMIC CHIP 220pF | 10% | |
| | | | | | | C042 | | CERAMIC CHIP 220pF | 10% | |
| R1608 | 1-208-778-11 | METAL CHIP | 680 | 0.5% | 1/10W | C043 | 1-126-933-11 | | 20% | |
| R1610 | | METAL CHIP | 390 | | 1/10W | 0043 | 1-120-555-11 | ΙΕΕΟΊ ΙΟΟΡΙ | 2070 | 10 V |
| | | | | | | C045 | 1 104 665 11 | ELECT 100vE | 200/ | 251/ |
| R1611 | | METAL CHIP | 390 | | 1/10W | C045 | 1-104-665-11 | | 20% | |
| R1613 | 1-208-772-11 | METAL CHIP | 390 | 0.5% | 1/10W | C046 | | CERAMIC CHIP 0.1µF | | 25V |
| | | | | | | C048 | | CERAMIC CHIP 0.01µF | 10% | |
| | | | | | | C049 | | CERAMIC CHIP 0.01µF | 10% | |
| | <relay></relay> | | | | | C050 | 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V |
| | | | | | | _ | | | | |
| | | RELAY | | | | C051 | | CERAMIC CHIP 0.01µF | 10% | |
| _ | 1-755-028-11 | | | | | C052 | | CERAMIC CHIP 0.1µF | | 25V |
| _ | 1-755-028-11 1-755-028-11 | | | | | C054 | 1-126-933-11 | LL LCT 100L | 000/ | |
| _ | | | | | | C034 | 1 120 333 11 | ELECT 100µF | 20% | 16V |
| | | | | | | C055 | | CERAMIC CHIP 0.01µF | 10% | 50V |
| _ | | | | | | 1 | 1-163-021-91 | • | | 50V |
| RY1102 | 1-755-028-11 <tuner></tuner> | | BTF-LG436 | | | C055 | 1-163-021-91 1-163-021-91 | CERAMIC CHIP 0.01µF | 10% | 50V |
| RY1102 「U1303 <u>∧</u> | 1-755-028-11 <tuner> \(\) \</tuner> | RELAY | | | | C055 C056 | 1-163-021-91 1-163-021-91 1-163-038-91 | CERAMIC CHIP 0.01µF CERAMIC CHIP 0.01µF CERAMIC CHIP 0.1µF | 10% | 50V 50V |
| RY1102 FU1303 <u>↑</u> FU1304 <u>↑</u> | 1-755-028-11 <tuner> \(\delta 8-598-508-10 \) \(\delta 8-598-452-20 \)</tuner> | RELAY TUNER, FSS E | STF-WG442 | | ***** | C055 C056 C059 | 1-163-021-91 1-163-021-91 1-163-038-91 1-163-038-91 | CERAMIC CHIP 0.01µF CERAMIC CHIP 0.01µF | 10% | 50V 50V 25V 25V |

M1

| REF.NO. | PART NO. | DESCRIPTION | N REMARK | REF.NO. | PART NO. | DESCRIPTIO | N | | EMARK |
|--------------|---|-------------------------------|--------------------|--------------|---|-----------------------|-------------|----------|-------|
| _ | <connecto< td=""><td>DR></td><td></td><td>L006</td><td>1-408-603-31</td><td>INDUCTOR</td><td>10µH</td><td></td><td></td></connecto<> | DR> | | L006 | 1-408-603-31 | INDUCTOR | 10µH | | |
| CN001 | 1-605-302-11 | CONNECTOR | BOARD TO BOARD 50P | | | | | | |
| CINOUT | 1-033-302-11 | CONNECTOR, | BOARD TO BOARD 301 | | <transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<> | OR> | | | |
| | <diode></diode> | | | Q004 | 8-729-026-49 | TRANSISTOR | 2SA1037AK-1 | Γ-146 | -R |
| | | | | Q005 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L | .6 | |
| D003 | | DIODE 1SS355 | | Q006 | | TRANSISTOR | | | |
| D004 | | DIODE 1SS355 | | Q008 | | TRANSISTOR | | | |
| D007 | | DIODE 1SS355 | | Q009 | 8-729-026-49 | TRANSISTOR | 2SA1037AK-1 | Γ-146- | -R |
| D008 | | DIODE 1SS355 | | 0010 | 0.700.000.40 | TD 4 NOIGTOD | | | _ |
| D009 | 8-719-988-61 | DIODE 1SS355 | DIE-1/ | Q010 | | TRANSISTOR | | | -K |
| 0015 | 9 710 099 61 | DIODE 1SS355 | TE 17 | Q014 Q015 | | TRANSISTOR TRANSISTOR | | | |
| D013 D017 | | DIODE 188355 | | Q015 Q016 | | TRANSISTOR | | | -R |
| 5017 | 0 7 13 300 01 | DIODE 100000 | , | Q017 | | TRANSISTOR | | | |
| | <ferritbe< td=""><td>AD></td><td></td><td>Q018</td><td>8-729-026-49</td><td>TRANSISTOR</td><td>2SA1037AK-1</td><td>Г-146</td><td>-R</td></ferritbe<> | AD> | | Q018 | 8-729-026-49 | TRANSISTOR | 2SA1037AK-1 | Г-146 | -R |
| | | | | Q019 | 8-729-026-49 | TRANSISTOR | 2SA1037AK-1 | Γ-146 | -R |
| FB001 | | INDUCTOR CH | • | Q020 | | TRANSISTOR | | | |
| FB002 | | INDUCTOR CH | • | Q021 | | TRANSISTOR | | | -R |
| FB003 | | INDUCTOR CH | • | Q022 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L | .6 | |
| FB004 | | INDUCTOR CH | • | 0000 | 0.700 1 | TD 44:0:0==== | | _ | |
| FB005 | 1-414-233-22 | INDUCTOR CH | IIP 0μH | Q023 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L | .6 | |
| B006 | | INDUCTOR CH | • | | .DECICEOD | | | | |
| B007 B008 | | INDUCTOR CH | • | | <resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<> | > | | | |
| FB009 | | INDUCTOR CH | • | R001 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| FB010 | | INDUCTOR CH | • | R002 | 1-216-065-91 | | | 5% | 1/10W |
| DOTO | 1 414 200 22 | INDOOTOR OF | ομι | R003 | 1-216-065-91 | | | 5% | 1/10W |
| FB011 | 1-414-233-22 | INDUCTOR CH | IIP 0µH | R004 | 1-216-025-91 | | | 5% | 1/10W |
| B012 | | INDUCTOR CH | • | R005 | 1-216-025-91 | | | 5% | 1/10W |
| | | | | R006 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | <filter></filter> | | | R007 | 1-216-025-91 | RES-CHIP | | 5% | 1/10W |
| | | | | R008 | 1-216-025-91 | | | 5% | 1/10W |
| FL001 | 1-236-071-11 | ENCAPSULAT | ED COMPONENT | R009 | 1-216-025-91 | | | 5% | 1/10W |
| | | | | R011 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | <ic></ic> | | | R012 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | | | | R013 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| C001 | | IC S-80743AL- | | R015 | 1-216-295-91 | | 0 | | |
| C002 | | IC CXP750096 | | R021 | 1-216-025-91 | | | 5% | 1/10W |
| C003 C004 | | IC SDA5254-2E IC M24C08-MN | | R022 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| C005 | | IC MC74HC405 | ` , | R023 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | | | | R024 | 1-216-049-91 | | | 5% | 1/10W |
| C006 | 8-759-575-71 | IC M24C04-WN | MN6T | R026 | 1-216-025-91 | | | 5% | 1/10W |
| C007 | | IC S-80743AL- | | R027 | 1-216-033-00 | RES-CHIP | | 5% | 1/10W |
| C008 C009 | | IC TC7W32F IC TC7W02F | | R030 | 1-216-025-91 | RES-CHIP | | 5% | 1/10W |
| C009 C010 | | IC TC7W02F | | R031 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| | | | | R032 | 1-216-049-91 | RES-CHIP | | 5% | 1/10W |
| | | | | R033 | 1-216-049-91 | RES-CHIP | | 5% | 1/10W |
| | <chip cone<="" td=""><td>OUCTOR></td><td></td><td>R034</td><td>1-216-049-91</td><td></td><td></td><td>5%</td><td>1/10W</td></chip> | OUCTOR> | | R034 | 1-216-049-91 | | | 5% | 1/10W |
| IR001 | 1-216-295-91 | SHORT | 0 | R035 | 1-208-792-11 | METAL CHIP | 2.7K | 0.5% | 1/10W |
| JR002 | 1-216-295-91 | | 0 | R036 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | 2 _00 01 | | | R037 | 1-216-049-91 | | | 5% | 1/10W |
| | | | | R038 | 1-216-025-91 | | | 5% | 1/10W |
| | <coil></coil> | | | R039 | 1-216-049-91 | | | 5% | 1/10W |
| 002 | | INDLICTOR | 1⊔ | R040 | 1-216-025-91 | | | 5% | 1/10W |
| .002 .003 | 1-408-591-11 1-408-603-31 | | 1μH 10μH | R042 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| .003 .004 | 1-408-603-31 | | 10μH | R042 | 1-216-033-00 | | | 5% 5% | 1/10W |
| L004 L005 | 1-408-602-31 | | 8.2µH | R044 | 1-216-045-00 | | | 5% | 1/10W |
| | | | | 1 | | | | _ , 5 | ., |



| REF.NO. | PART NO. | DESCRIPTION | ı | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|--------------|------------------------------|--------------------------|------------|-------------|----------------|--------------|--|---------------------|------------|----------|----------------|
| R047 | 1-216-065-91 | | 4.7K | 5% | 1/10W | R120 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R048 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R121 | 1-216-065-91 | DEC CHID | 4.7K | 5% | 1/10W |
| D040 | 4 040 057 00 | DE0 0111D | 0.014 | 5 0/ | 4 /4 0\4/ | 1 | | | | | |
| R049 | 1-216-057-00 | | 2.2K | 5% | 1/10W | R123 | 1-216-017-91 | | 47 | 5% | 1/10W |
| R050 | 1-216-057-00 | | 2.2K | 5% | 1/10W | R124 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R051 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R125 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R052 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R126 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R053 | 1-216-045-00 | RES-CHIP | 680 | 5% | 1/10W | D407 | 1 216 040 04 | DES CUID | 11/2 | E0/ | 4/40\\ |
| R054 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R127 R128 | 1-216-049-91 1-216-049-91 | | 1K 1K | 5% 5% | 1/10W 1/10W |
| R055 | 1-216-025-91 | | 100 | 5% | 1/10W | R129 | 1-216-049-91 | | 1K | 5% | 1/10W |
| | | | | | 1/10W | 1 | | | | | |
| R058 | | METAL CHIP | 27K | | | R131 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R059 | 1-216-065-91 | | 4.7K | 5% | 1/10W | R132 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R060 | 1-216-045-00 | RES-CHIP | 680 | 5% | 1/10W | R133 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R061 | 1-216-025-91 | DES-CHID | 100 | 5% | 1/10W | R134 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R063 | | | | | | 1 | | | | | |
| | 1-216-025-91 | | 100 | 5% | 1/10W | R135 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R064 | 1-216-025-91 | | 100 | 5% | 1/10W | R137 | 1-216-295-91 | | 0 | | |
| R065 R067 | | METAL CHIP METAL CHIP | 100 100 | | 1/10W 1/10W | R138 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| | 55 . 65 11 | | | 3.570 | ., | R139 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R068 | 1-216-295-91 | SHORT | 0 | | | R140 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R069 | | METAL CHIP | 100 | 0.5% | 1/10W | R141 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| | | | | 0.5% | 1/1000 | 1 | | | | | |
| R070 | 1-216-295-91 | | 0 | | | R142 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| R071 R072 | 1-216-295-91 1-216-295-91 | | 0 | | | R143 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| 11072 | 1-210-293-91 | SHORT | O | | | R144 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R073 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| R078 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| R079 | 1-216-025-91 | | 100 | 5% | 1/10W | | <crystal></crystal> | | | | |
| R080 | 1-216-121-91 | | 1M | 5% | 1/10W | | CONTOTAL | | | | |
| R081 | 1-216-041-00 | | 470 | 5% | 1/10W | X001 | 1 567 029 11 | VIBLATOR, CER | DAMIC (201 | /IU-/ | |
| 1001 | 1-210-041-00 | INEO-OI III | 470 | J /0 | 1/1000 | X001 | | VIBRATOR, CR | , | , | |
| R082 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | ******* | ****** | ******* | ***** | ****** | ***** |
| R083 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | | | | | | |
| R085 | 1-216-037-00 | | 330 | 5% | 1/10W | | * A-1346-922-A | A E BOARD, COM | /IPI FTF | | |
| R086 | 1-216-053-00 | | 1.5K | 5% | 1/10W | | 71 10 10 022 7 | ******** | | | |
| R088 | 1-216-063-91 | | 3.9K | 5% | 1/10W | | | | | | |
| 11000 | 1 210 000 01 | TEO OTHI | 0.010 | 070 | 1710 | | | | | | |
| R089 | 1-216-073-00 | | 10K | 5% | 1/10W | | <capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<> | ₹> | | | |
| R090 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | | | | | | |
| R091 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | C4301 | 1-126-960-11 | ELECT | 1μF | 20% | 50V |
| R092 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | C4302 | 1-164-489-11 | CERAMIC CHIP | 0.22µF | 10% | 16V |
| R093 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C4303 | 1-163-809-11 | CERAMIC CHIP | 0.047µF | 10% | 25V |
| | | | | | | C4304 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| R094 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C4306 | 1-126-964-11 | | 10µF | | 50V |
| R095 | 1-216-033-00 | | 220 | 5% | 1/10W | 555 | | | | _0 /0 | |
| R099 | 1-216-295-91 | | 0 | J /0 | ., | C4307 | 1-163-137-00 | CERAMIC CHIP | 680nF | 5% | 50V |
| R100 | 1-216-295-91 | | 1.8K | 5% | 1/10W | C4307 | | CERAMIC CHIP | | | 25V |
| | | | | | 1/10W | 1 | | | | | |
| R101 | 1-216-055-00 | KES-UNIP | 1.8K | 5% | 1/1000 | C4312 | | CERAMIC CHIP | | | 25V |
| D.465 | 4 040 000 0 | 011007 | • | | | C4313 | | CERAMIC CHIP | | | 25V |
| R102 | 1-216-295-91 | | 0 | _ | | C4315 | 1-163-222-11 | CERAMIC CHIP | 5pF | 0.25p | F 50V |
| R103 | 1-216-055-00 | | 1.8K | 5% | 1/10W | | | | | | |
| R104 | 1-216-295-91 | SHORT | 0 | | | C4316 | 1-104-664-11 | | 47μF | | 25V |
| R105 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | C4317 | 1-164-004-11 | CERAMIC CHIP | 0.1µF | 10% | 25V |
| R106 | 1-216-065-91 | | 4.7K | 5% | 1/10W | C4318 | 1-164-004-11 | CERAMIC CHIP | 0.1µF | | 25V |
| | | | | | | C4319 | | CERAMIC CHIP | | | 25V |
| R107 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | C4324 | | CERAMIC CHIP | • | | 25V |
| R108 | 1-216-049-91 | | 1K | 5% | 1/10W | | | , | r | | |
| R109 | 1-216-025-91 | | 100 | 5% | 1/10W | C4325 | 1-163-003-00 | CERAMIC CHIP | 10nF | 5% | 50V |
| R1109 | | | | 5% | 1/10W | C4329 | | | 4.7µF | 20% | |
| | 1-216-049-91 | | 1K | | | 1 | 1-126-963-11 | | | | |
| R111 | 1-216-025-91 | KE9-CHIP | 100 | 5% | 1/10W | C4330 | 1-137-581-11 | | 0.1µF | 5% | 100V |
| D | 4.040.015 | DE0 0: ::- | 417 | ==: | 4 /4 5 | C4331 | 1-126-959-11 | | 0.47µF | | 50V |
| R112 | 1-216-049-91 | | 1K | 5% | 1/10W | C4333 | 1-164-004-11 | CERAMIC CHIP | ' 0.1μF | 10% | 25V |
| R113 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| R114 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | C4334 | 1-126-967-11 | ELECT | 47μF | | 50V |
| R119 | 1-216-295-91 | SHORT | 0 | | | C4336 | 1-126-967-11 | ELECT | 47μF | 20% | 50V |
| | | | | | | 1 | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | I | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | I | R | EMARK |
|----------------|--|----------------------------------|--------------|------------|--------|------------------|--|--------------|-------------|--------------|----------------|
| C4338 | 1-164-004-11 | CERAMIC CHIF | 2 0.1µF | 10% | 25V | | <ic></ic> | | | | |
| C4340 | 1-126-967-11 | ELECT | 47µF | 20% | 50V | | - | | | | |
| C4342 | 1-163-021-91 | CERAMIC CHIP | P 0.01μF | 10% | 50V | IC4301 | 8-752-090-87 | IC CXA2100AQ | ! | | |
| C4343 | | CERAMIC CHIP | | 10% | | | | | | | |
| C4344 | 1-126-960-11 | | 1μF | 20% | | | <chip cond<="" td=""><td>OUCTOR></td><td></td><td></td><td></td></chip> | OUCTOR> | | | |
| C4345 C4346 | 1-126-967-11 | ELECT CERAMIC CHIP | 47µF | 20% 10% | | JR4301 | 1-216-295-91 | CHORT | 0 | | |
| C4347 | | CERAMIC CHIP | | 10% | | JR4301 JR4302 | 1-216-037-00 | | 0 330 | 5% | 1/10W |
| C4348 | | CERAMIC CHIP | | 10% | | | 0011 | | | | |
| C4349 C4350 | | CERAMIC CHIP CERAMIC CHIP | | 10% 10% | | | <coil></coil> | | | | |
| C4350 C4351 | | CERAMIC CHIP | | 10% | | L4301 | 1-412-029-11 | INDUCTOR CH | IIP | 10µH | |
| C4352 | 1-126-967-11 | | 47µF | 20% | | L4302 | | INDUCTOR CH | | 10µH | |
| | | | | | | L4303 | 1-412-029-11 | INDUCTOR CH | IIP | 10µH | |
| C4353 | | CERAMIC CHIP | | 10% | | L4304 | | INDUCTOR CH | | 10µH | |
| C4354 | | CERAMIC CHIP | | 10% | | L4305 | 1-412-029-11 | INDUCTOR CH | IIP | 10µH | |
| C4355 | | CERAMIC CHIP | | 10% | | 1 4000 | 4 440 000 44 | INDUIGTOR OF | uD. | 40 | |
| C4356 C4357 | | CERAMIC CHIP CERAMIC CHIP | | 10% 10% | | L4306 L4308 | | INDUCTOR CH | | 10μH 47μH | |
| C4337 | 1-104-004-11 | CERAINIC CHIP | ο. τμε | 1070 | 23 V | L4306 | | INDUCTOR CH | | 47μΠ 47μΗ | |
| C4358 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V | L-1303 | 1 412 031 11 | INDOOTOR OF | 111 | 47 μι ι | |
| C4359 | | CERAMIC CHIP | | 10% | | | | | | | |
| C4360 | 1-126-964-11 | ELECT | 10μ F | 20% | | | <transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<> | OR> | | | |
| C4362 | | CERAMIC CHIP | | 10% | | | | | | | |
| C4363 | 1-126-967-11 | ELECT | 47µF | 20% | 50V | Q4301 | | TRANSISTOR 2 | | L6 | |
| C4264 | 1 100 007 11 | FLECT | 47F | 200/ | E0\/ | Q4303 | | TRANSISTOR 2 | | | |
| C4364 C4368 | 1-126-967-11 | CERAMIC CHIF | 47µF | 20% 10% | | Q4304 Q4307 | | TRANSISTOR 2 | | | |
| C4369 | | CERAMIC CHIP | | 10% | | Q4308 | | TRANSISTOR | | | |
| C4370 | 1-126-967-11 | | 47µF | 20% | | 4.000 | 0.202.022 | | -002 | | |
| C4371 | 1-164-004-11 | CERAMIC CHIP | 2 0.1μF | 10% | 25V | Q4310 | 8-729-216-22 | TRANSISTOR 2 | 2SA1162-G | | |
| _ | | | _ | | | Q4316 | | TRANSISTOR 2 | | | |
| C4372 | | CERAMIC CHIP | | 400/ | 16V | Q4317 | | TRANSISTOR 2 | | | |
| C4373 C4374 | | CERAMIC CHIF | | 10% 10% | | Q4318 Q4319 | | TRANSISTOR 2 | | 16 | |
| C4374 | 1-126-960-11 | | 0.1μΓ 1μF | 20% | | Q4513 | 0-729-120-20 | TIVANOIOTOR | 200 1025-LC | LO | |
| C4382 | | CERAMIC CHIF | | 10% | | Q4320 | 8-729-216-22 | TRANSISTOR 2 | 2SA1162-G | | |
| | | | · | | | Q4321 | 8-729-216-22 | TRANSISTOR 2 | 2SA1162-G | | |
| C4383 | | CERAMIC CHIP | | 10% | | Q4322 | | TRANSISTOR 2 | | | |
| C4384 | | CERAMIC CHIP | | 10% | - | Q4323 | | TRANSISTOR 2 | | | |
| C4601 | 1-164-161-11 | CERAMIC CHIP | ο.υυ22μF | 10% | 507 | Q4324 | 8-729-216-22 | TRANSISTOR 2 | 25A1162-G | | |
| | <connecto< td=""><td>NR.</td><td></td><td></td><td></td><td>Q4601 Q4602</td><td></td><td>TRANSISTOR I</td><td></td><td></td><td></td></connecto<> | NR. | | | | Q4601 Q4602 | | TRANSISTOR I | | | |
| | COOMINEO | | | | | Q+002 | 0 725 120 20 | TIVALVOIGTOR | 2001025 20 | LO | |
| | | CONNECTOR, | | BOAR | RD 40P | | | | | | |
| | | PLUG, CONNEC | | | | | <resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<> | > | | | |
| CN4502 | 1-504-507-11 | PLUG, CONNEC | CTOR 4P | | | P/301 | 1_216 025 04 | DEG-CHID | 100 | 50/ | 1/10\\\ |
| | | | | | | R4301 R4302 | 1-216-025-91 1-216-025-91 | | 100 100 | 5% 5% | 1/10W 1/10W |
| | <diode></diode> | | | | | R4303 | 1-216-025-91 | | 100 | 5% | 1/10W |
| | | | | | | R4304 | 1-216-025-91 | | 100 | 5% | 1/10W |
| D4304 | | DIODE DTZ9.1 | | | | R4305 | 1-216-025-91 | | 100 | 5% | 1/10W |
| D4305 | | DIODE DTZ9.1 | | | | | | | | | |
| D4601 | | B DIODE MA3062 | | | | R4306 | 1-216-045-00 | | 680 | 5% | 1/10W |
| D4602 D4603 | | B DIODE DAN202 B DIODE DAN202 | | | | R4307 R4309 | 1-216-295-91 1-216-295-91 | | 0 | | |
| D+003 | 0-113-314-43 | , DIODE DAIN202 | -11 | | | R4309 | 1-216-295-91 | | 220 | 5% | 1/10W |
| | | | | | | R4314 | 1-216-049-91 | | 1K | 5% | 1/10W |
| | <ferritbe <="" td=""><td>AU></td><td></td><td></td><td></td><td>R4315</td><td>1-216-063-91</td><td>RES-CHIP</td><td>3.9K</td><td>5%</td><td>1/10W</td></ferritbe> | AU> | | | | R4315 | 1-216-063-91 | RES-CHIP | 3.9K | 5% | 1/10W |
| FB4387 | 1-216-295-91 | SHORT | 0 | | | R4316 | 1-216-037-00 | | 330 | 5% | 1/10W |
| FB4388 | 1-216-295-91 | | 0 | | | R4317 | 1-216-049-91 | | 1K | 5% | 1/10W |
| FB4389 | 1-216-295-91 | | 0 | | | R4319 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| | | | | | | R4320 | 1-216-689-11 | RES-CHIP | 39K | 5% | 1/10W |



| | <u> </u> | | | | | | | | | | |
|---------|--------------|-------------|-------|-------------|---------|---------|--|------------------|-----------|-------------|----------------|
| REF.NO. | PART NO. | DESCRIPTION | N . | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
| R4321 | 1-216-105-91 | RES-CHIP | 220K | 5% | 1/10W | R4408 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W |
| R4322 | 1-216-073-00 | | 10K | 5% | 1/10W | R4504 | 1-216-025-91 | - | 100 | 5% | 1/10W |
| R4323 | 1-216-091-00 | | 56K | 5% | 1/10W | R4514 | 1-216-061-00 | | 3.3K | 5% | 1/10W |
| R4323 | | | 100K | | 1/10W | | | | | | 1/10W |
| | | METAL CHIP | | | | R4515 | 1-216-061-00 | KES-CHIP | 3.3K | 5% | 1/1000 |
| R4325 | 1-216-093-91 | RES-CHIP | 68K | 5% | 1/10W | D4546 | 4 040 040 04 | DEC CUID | 417 | 5 0/ | 4 /4 0 \ \ \ / |
| D 4004 | 4 040 004 00 | DEC OUID | 0.017 | 5 0/ | 4/40\4/ | R4516 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R4331 | 1-216-061-00 | | 3.3K | 5% | 1/10W | R4517 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R4334 | 1-216-025-91 | | 100 | 5% | 1/10W | R4518 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R4335 | 1-216-025-91 | | 100 | 5% | 1/10W | R4519 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R4336 | 1-216-025-91 | | 100 | 5% | 1/10W | R4520 | 1-216-045-00 | RES-CHIP | 680 | 5% | 1/10W |
| R4337 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | D=0 0D | | | |
| D | | 0.1.00.1.1 | | | | R4521 | 1-216-045-00 | | 680 | 5% | 1/10W |
| R4339 | 1-249-409-11 | | 220 | 5% | 1/4W | R4522 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R4340 | 1-216-111-00 | | 390K | 5% | 1/10W | R4523 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R4341 | 1-216-295-91 | | 0 | | | R4524 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R4343 | 1-216-025-91 | | 100 | 5% | 1/10W | R4601 | 1-208-291-11 | RES-CHIP | 4.7M | 5% | 1/10W |
| R4344 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| | | | | | | R4602 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| R4345 | 1-216-075-00 | RES-CHIP | 12K | 5% | 1/10W | R4603 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R4346 | 1-208-812-11 | METAL CHIP | 18K | 0.5% | 1/10W | | | | | | |
| R4347 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| R4348 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | <inductor:< td=""><td>></td><td></td><td></td><td></td></inductor:<> | > | | | |
| R4349 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | | | | | | |
| | | | | | | T4301 | 1-469-893-21 | INDUCTOR (EM | II REMOVE | FILTE | R) |
| R4350 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| R4352 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | | | | | | |
| R4354 | 1-208-806-11 | METAL CHIP | 10K | 0.5% | 1/10W | | <crystal></crystal> | | | | |
| R4355 | 1-216-295-91 | SHORT | 0 | | | | | | | | |
| R4357 | 1-208-814-91 | METAL CHIP | 22K | 0.5% | 1/10W | X4300 | 1-767-127-11 | VIBRATOR, CE | RAMIC (50 | 3.5kHz |) |
| | | | | | | ******* | ****** | ****** | ***** | ***** | ***** |
| R4358 | 1-208-804-11 | METAL CHIP | 8.2K | 0.5% | 1/10W | | | | | | |
| R4359 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W | | * A-1394-982-A | J1 BOARD, CO | MPLETE | | |
| R4360 | 1-216-061-00 | RES-CHIP | 3.3K | 5% | 1/10W | | | *********** | ***** | | |
| R4361 | 1-216-133-00 | | 3.3M | 5% | 1/10W | | | | | | |
| R4363 | 1-216-025-91 | | 100 | 5% | 1/10W | | | | | | |
| | | | | | | | <capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<> | ₹> | | | |
| R4365 | 1-216-017-91 | RES-CHIP | 47 | 5% | 1/10W | | | | | | |
| R4366 | 1-216-017-91 | | 47 | 5% | 1/10W | C8301 | 1-163-133-00 | CERAMIC CHIP | 470pF | 5% | 50V |
| R4367 | 1-216-017-91 | | 47 | 5% | 1/10W | C8302 | | CERAMIC CHIP | | 5% | 50V |
| R4370 | 1-216-049-91 | | 1K | 5% | 1/10W | C8303 | | CERAMIC CHIP | - 1 | 5% | 50V |
| R4372 | 1-216-065-91 | | 4.7K | 5% | 1/10W | C8304 | | CERAMIC CHIP | | 5% | 50V |
| 11.07.2 | 1 210 000 01 | 1120 01111 | | 070 | 1, 1011 | C8305 | | CERAMIC CHIP | | 5% | 50V |
| R4375 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | 00000 | 1 100 100 00 | OLIV WIIO OI III | 47 OPI | 070 | 00 0 |
| R4377 | 1-216-033-00 | | 220 | 5% | 1/10W | C8306 | 1-163-133-00 | CERAMIC CHIP | 470nF | 5% | 50V |
| R4380 | 1-216-073-00 | | 10K | 5% | 1/10W | C8307 | | CERAMIC CHIP | • | 5% | 50V |
| R4382 | 1-216-073-00 | | 10K | 5% | 1/10W | C8308 | | CERAMIC CHIP | | 5% | 50V |
| R4384 | 1-216-025-91 | | 100 | 5% | 1/10W | C8309 | | CERAMIC CHIP | | 5% | 50V |
| 114304 | 1-210-025-31 | INLO-OI III | 100 | J /0 | 1/1000 | C8310 | | CERAMIC CHIP | | 5% | 50V |
| R4385 | 1-216-129-00 | RES-CHIP | 2.2M | 5% | 1/10W | 00010 | 1-100-100-00 | OLIVAIVIIO OHIP | 41 Obl | J /0 | JU V |
| R4387 | 1-216-129-00 | | 47 | 5% | 1/10W | C8311 | 1 16/ 2/6 11 | CERAMIC CHIP | 1 | | 16V |
| | | | | | | 1 | | | | | |
| R4388 | 1-216-017-91 | | 47 | 5% | 1/10W | C8312 | | CERAMIC CHIP | | | 16V |
| R4389 | 1-216-017-91 | | 47 | 5% | 1/10W | C8313 | | CERAMIC CHIP | | | 16V |
| R4393 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C8314 | | CERAMIC CHIP | | 50 / | 16V |
| D 4005 | 4 040 005 03 | CLIODT | 0 | | | C8315 | 1-163-133-00 | CERAMIC CHIP | 4/UPF | 5% | 50V |
| R4395 | 1-216-295-91 | | 0 | | | 00040 | 4 400 400 00 | | 170-F | 50 / | 501/ |
| R4396 | 1-216-295-91 | | 0 | | | C8316 | | CERAMIC CHIP | | 5% | 50V |
| R4397 | 1-216-295-91 | | 0 | = | 4/4511: | C8317 | | CERAMIC CHIP | • | 10% | |
| R4400 | 1-216-071-00 | | 8.2K | 5% | 1/10W | C8318 | 1-104-664-11 | | 47μF | 20% | |
| R4401 | 1-216-071-00 | RES-CHIP | 8.2K | 5% | 1/10W | C8319 | 1-104-664-11 | | 47µF | 20% | |
| | | | | | | C8320 | 1-117-720-11 | CERAMIC CHIP | 4.7µF | | 10V |
| R4402 | 1-216-049-91 | | 1K | 5% | 1/10W | | | | | | |
| R4403 | 1-216-298-00 | | 2.2 | 5% | 1/10W | C8321 | | CERAMIC CHIP | | | 10V |
| R4404 | 1-216-081-00 | RES-CHIP | 22K | 5% | 1/10W | C8322 | | CERAMIC CHIP | | | 16V |
| R4405 | 1-216-061-00 | RES-CHIP | 3.3K | 5% | 1/10W | C8323 | 1-164-346-11 | CERAMIC CHIP | ' 1μF | | 16V |
| R4406 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | C8324 | 1-117-720-11 | CERAMIC CHIP | 4.7µF | | 10V |
| | | | | | | C8325 | 1-126-935-11 | ELECT | 470µF | 20% | 16V |
| R4407 | 1-216-017-91 | RES-CHIP | 47 | 5% | 1/10W | | | | | | |
| | | | | | | | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | F | REMARK | REF.NO. | PART NO. | DESCRIPTION | R | REMARK |
|---------|--------------|----------------------|----------|------------|---------|--------------|-----------------------|-------|------------|
| | | | | | | | | | |
| C8326 | 1-107-823-11 | CERAMIC CHIP 0.47L | ıF 10% | 16V | C8402 | 1-164-346-11 | CERAMIC CHIP 1µF | | 16V |
| C8327 | 1-164-346-11 | CERAMIC CHIP 1µF | | 16V | C8403 | 1-163-037-11 | CERAMIC CHIP 0.022µF | 10% | 50V |
| C8328 | | CERAMIC CHIP 1µF | | 16V | C8405 | 1-126-933-11 | • | | 16V |
| C8329 | | CERAMIC CHIP 0.1µF | 10% | 25V | C8406 | 1-104-664-11 | • | | 16V |
| C8330 | | CERAMIC CHIP 1µF | 1070 | 16V | 00400 | 1 104 004 11 | | 2070 | 10 V |
| 00000 | | 0 | | | C8407 | 1-104-664-11 | ELECT 47µF | 20% | 16V |
| C8331 | 1-164-346-11 | CERAMIC CHIP 1µF | | 16V | C8408 | | CERAMIC CHIP 0.01µF | | 50V |
| C8332 | | CERAMIC CHIP 0.47L | ıF 10% | 16V | C8409 | 1-126-933-11 | | | 16V |
| C8333 | | CERAMIC CHIP 4.7µF | | 10V | C8410 | | CERAMIC CHIP 0.1µF | | 25V |
| C8334 | | CERAMIC CHIP 82pF | | 50V | C8412 | | CERAMIC CHIP 0.1µF | | 25V |
| C8336 | 1-103-249-11 | | | 16V | C0412 | 1-104-004-11 | CERAINIC CHIP 0.1µP | 10 /6 | 237 |
| C0330 | 1-104-004-11 | - 47μi | 2070 | 100 | C8414 | 1-104-664-11 | ELECT 47µF | 20% | 16V |
| C8337 | 1-16/-00/-11 | CERAMIC CHIP 0.1µF | 10% | 25V | C8415 | | CERAMIC CHIP 1µF | 2070 | 16V |
| C8338 | | CERAMIC CHIP 1µF | 1070 | 16V | C8416 | | CERAMIC CHIP 0.1µF | 100/ | 25V |
| C8339 | | CERAMIC CHIP 1µF | | 16V | C8417 | | CERAMIC CHIP 10pF | 0.50p | |
| | | | - T 400/ | | | | • | | |
| C8340 | | CERAMIC CHIP 0.47 | | 16V | C8418 | 1-126-964-11 | ELECT 10µF | 20% | 50V |
| C8341 | 1-107-823-11 | CERAMIC CHIP 0.47 | IF 10% | 16V | 00440 | 4 404 004 44 | CEDAMIC CLUD O 4E | 4.00/ | 05)/ |
| 00040 | 4 400 004 44 | ELECT 40 E | 000/ | 50\ / | C8419 | | CERAMIC CHIP 0.1µF | | 25V |
| C8342 | 1-126-964-11 | | | 50V | C8424 | | CERAMIC CHIP 0.01µF | | 50V |
| C8343 | 1-104-664-11 | | | 16V | C8425 | | CERAMIC CHIP 0.01µF | | 50V |
| C8344 | | CERAMIC CHIP 0.1µF | | 25V | C8437 | 1-126-963-11 | | | 50V |
| C8345 | 1-104-664-11 | • | | 16V | C8438 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V |
| C8346 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V | | | | | |
| | | | | | C8439 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V |
| C8347 | 1-163-133-00 | CERAMIC CHIP 470p | F 5% | 50V | C8440 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V |
| C8348 | 1-163-133-00 | CERAMIC CHIP 470p | F 5% | 50V | C8446 | 1-104-664-11 | ELECT 47µF | 20% | 16V |
| C8349 | 1-104-664-11 | ELECT 47µF | 20% | 16V | C8447 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V |
| C8350 | | CERAMIC CHIP 1µF | | 16V | C8448 | | CERAMIC CHIP 0.0022µF | | 50V |
| C8351 | | CERAMIC CHIP 1µF | | 16V | | | о | | |
| | | | | | C8450 | 1-107-823-11 | CERAMIC CHIP 0.47µF | 10% | 16V |
| C8352 | 1-104-664-11 | ELECT 47µF | 20% | 16V | C8451 | | CERAMIC CHIP 2.2µF | .070 | 16V |
| C8354 | | CERAMIC CHIP 0.47 | | 16V | C8453 | | CERAMIC CHIP 0.1µF | 10% | 25V |
| C8355 | | CERAMIC CHIP 0.01 | | 50V | C8454 | | CERAMIC CHIP 0.1µF | | 25V |
| C8356 | | CERAMIC CHIP 1µF | 1076 | 16V | C8455 | 1-104-664-11 | · | | 16V |
| C8357 | | CERAMIC CHIP 0.01 | E 100/ | 50V | C6455 | 1-104-004-11 | LLLC1 4/μΓ | 20 /0 | 100 |
| 00001 | 1-103-021-91 | CLIVAINIC CITII 0.01 | 1076 | 30 V | C8464 | 1 115 240 11 | CERAMIC CHIP 0.22µF | 100/ | 25V |
| C02E0 | 1 16/ 2/6 11 | CERAMIC CHIP 1µF | | 16V | C8465 | | CERAMIC CHIP 0.22µF | | 25V 25V |
| C8358 | | • | E 100/ | | C8466 | | • | | |
| C8359 | | CERAMIC CHIP 0.022 | | 50V | | 1-104-664-11 | • | | 16V |
| C8360 | | CERAMIC CHIP 0.01 | | 50V | C8467 | 1-104-664-11 | | | 16V |
| C8361 | 1-126-961-11 | | | 50V | C8468 | 1-115-340-11 | CERAMIC CHIP 0.22µF | 10% | 25V |
| C8362 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V | 00.400 | 4 445 040 44 | 0504440 0140 000 5 | 400/ | 05) / |
| | | 0=0.1.00 0.00 0.1 | | a=\ / | C8469 | | CERAMIC CHIP 0.22µF | | 25V |
| C8363 | | CERAMIC CHIP 0.1µF | | 25V | C8474 | | CERAMIC CHIP 0.1µF | | 25V |
| C8366 | | CERAMIC CHIP 0.01 | | 50V | C8477 | | CERAMIC CHIP 0.01µF | | 50V |
| C8367 | 1-104-664-11 | • | | 16V | C8478 | | CERAMIC CHIP 47pF | 5% | 50V |
| C8368 | 1-104-664-11 | ELECT 47µF | 20% | 16V | C8479 | 1-163-239-11 | CERAMIC CHIP 33pF | 5% | 50V |
| C8369 | 1-104-664-11 | ELECT 47µF | 20% | 16V | | | | | |
| | | | | | C8481 | 1-104-664-11 | | 20% | 16V |
| C8370 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V | C8482 | 1-104-664-11 | ELECT 47µF | 20% | 16V |
| C8371 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V | C8483 | 1-104-664-11 | ELECT 47µF | 20% | 16V |
| C8372 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V | C8485 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V |
| C8373 | 1-163-227-11 | CERAMIC CHIP 10pF | 0.50p | F 50V | C8492 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V |
| C8374 | | CERAMIC CHIP 1µF | | 16V | | | · | | |
| | | Part . | | | C8501 | 1-163-113-00 | CERAMIC CHIP 68pF | 5% | 50V |
| C8375 | 1-126-964-11 | ELECT 10µF | 20% | 50V | C8601 | | CERAMIC CHIP 4.7µF | | 10V |
| C8376 | | CERAMIC CHIP 0.1µF | | 25V | C8602 | | CERAMIC CHIP 4.7µF | | 10V |
| C8381 | | CERAMIC CHIP 0.01 | | 50V | C8603 | | CERAMIC CHIP 4.7µF | | 10V |
| C8386 | | CERAMIC CHIP 0.01 | | 50V | C8604 | | CERAMIC CHIP 4.7µF | | 10V |
| C8390 | 1-126-963-11 | | | 50V | 55557 | | 50 mil σ./ μι | | |
| 00000 | . 120 000 11 | ,μι | 2070 | 301 | C8605 | 1-117-720-11 | CERAMIC CHIP 4.7µF | | 10V |
| C8391 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V | C8606 | | CERAMIC CHIP 4.7µF | | 10V 10V |
| C8392 | | CERAMIC CHIP 0.1µF | | 25V 25V | C8801 | | CERAMIC CHIP 4.7µF | 10% | 25V |
| | | • | | | 1 | | • | | |
| C8393 | | CERAMIC CHIP 0.1µF | | 25V | C8802 | | CERAMIC CHIP 0.01µF | | 50V |
| C8396 | | CERAMIC CHIP 0.47 | | 16V | C8804 | 1-104-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V |
| C8399 | 1-126-961-11 | ELECT 2.2µF | 20% | 50V | 00005 | 4 400 000 :: | FLEOT 400 F | 0007 | 4017 |
| 00404 | 4 400 004 04 | CEDAMIC OLUB A 24 | .E 4001 | E0) / | C8805 | 1-126-933-11 | • | | 16V |
| C8401 | 1-163-021-91 | CERAMIC CHIP 0.01 | ır 10% | 50V | C8806 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V |



| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---|--|--|--|--|--|---|-------------------------------------|
| C8807 C8808 C8809 | 1-126-933-11 | CERAMIC CHIP 0.022µF ELECT 100µF CERAMIC CHIP 0.01µF | 10% 50V 20% 16V 10% 50V | D8324 D8325 D8331 | 8-719-056-85 | DIODE UDZ-TE-17 DIODE UDZ-TE-17 DIODE MA111-(K8 | '-8.2B |
| C8810 C8811 C8812 C8813 C8814 | 1-164-004-11 1-104-664-11 1-164-004-11 | CERAMIC CHIP 0.1µF CERAMIC CHIP 0.1µF ELECT 47µF CERAMIC CHIP 0.1µF CERAMIC CHIP 0.1µF | 10% 25V 10% 25V 20% 16V 10% 25V 10% 25V | D8332 D8333 D8334 D8335 D8336 | 8-719-056-85 8-719-914-42 8-719-914-42 | DIODE DA204K DIODE UDZ-TE-17 DIODE DA204K DIODE DA204K DIODE UDZ-TE-17 | |
| C8815 C8816 C8817 C8818 | 1-164-004-11 1-164-004-11 1-164-004-11 | CERAMIC CHIP 0.1µF CERAMIC CHIP 0.1µF CERAMIC CHIP 0.1µF CERAMIC CHIP 0.1µF | 10% 25V 10% 25V 10% 25V 10% 25V | D8337 | 8-719-073-01 <filter></filter> | DIODE MA111-(K8 |).S0 |
| C8819 C8820 C8821 C8823 C8824 C8826 | 1-164-004-11 1-164-004-11 1-164-004-11 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% 25V 10% 25V 10% 25V 10% 25V 10% 25V 10% 25V | FL8301 FL8302 FL8303 FL8304 FL8305 | 1-236-071-11 1-236-071-11 1-236-071-11 | ENCAPSULATED ENCAPSULATED ENCAPSULATED ENCAPSULATED ENCAPSULATED | COMPONENT COMPONENT COMPONENT |
| C8828 C8829 C8830 | 1-104-664-11 | ELECT 47µF CERAMIC CHIP 39pF | 20% 16V 5% 50V 20% 16V | FL8307 FL8308 FL8309 FL8311 FL8312 | 1-236-071-11 1-236-071-11 1-236-071-11 | ENCAPSULATED ENCAPSULATED ENCAPSULATED ENCAPSULATED ENCAPSULATED | COMPONENT COMPONENT COMPONENT |
| | | OR> CONNECTOR, BOARD TO PLUG, CONNECTOR 11P | BOARD 50P | | 1-233-504-21 1-233-504-21 1-236-071-11 | FILTER, LOW PAS FILTER, LOW PAS FILTER, LOW PAS ENCAPSULATED ENCAPSULATED | S S COMPONENT |
| D8101 D8102 | | DIODE DTZ24B DIODE DTZ24B | | FL8803 FL8804 FL8805 | 1-233-765-21 1-233-766-21 1-233-768-21 | FILTER | |
| D8103 D8104 D8301 | 8-719-977-69 8-719-977-69 | DIODE DTZ24B DIODE DTZ24B DIODE UDZ-TE-17-8.2B | | IC8302 | <ic></ic> | IC CXA2069Q | |
| D8302 D8303 D8304 D8305 D8306 | 8-719-056-85 8-719-056-85 8-719-056-85 | DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B | | IC8304 IC8305 IC8306 IC8308 | 8-759-242-76 8-759-242-76 8-752-096-08 | IC TC7W08F | |
| D8307 D8308 D8309 D8310 D8311 | 8-719-056-85 8-719-056-85 8-719-056-85 8-719-056-85 | DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B | | IC8309 IC8310 IC8311 IC8312 IC8801 | 8-759-572-04 8-759-576-72 8-759-576-72 | IC MM1115XFBE IC TDA9178T/N1.1 IC LF50CDT-TR IC LF50CDT-TR IC CXD2064Q-T6 | 18 |
| D8312 D8313 D8314 D8315 | 8-719-056-85 8-719-056-85 | DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE DA204K | | J8301 J8302 | | TERMINAL BLOCK JACK BLOCK, PIN | |
| D8316 D8317 D8318 | 8-719-914-42 8-719-914-42 | DIODE DA204K DIODE DA204K DIODE DA204K DIODE UDZ-TE-17-8.2B | | J8303 J8304 J8305 | 1-774-746-11 1-774-746-11 | JACK BLOCK, PIN JACK BLOCK, PIN | (VIDEO IN 3) |
| D8319 D8320 D8321 | 8-719-056-85 8-719-056-85 | DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B | | J8901 | 1-565-838-11 <coil></coil> | JACK BLOCK, PIN | 2P (AUDIO OUT) |
| D8322 D8323 | | DIODE UDZ-TE-17-8.2B DIODE UDZ-TE-17-8.2B | | L8101 | 1-402-711-11 | INDUCTOR | 0μΗ |

| | | | | | | | | Į | JI |
|----------------|---|----------------------------------|-----------------|----------------|------------------------------|-------------|--------------|-------|----------------|
| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | N | RE | MARK |
| L8102 | 1-402-711-11 | INDUCTOR | 0µH | Q8426 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | i | |
| L8304 | | INDUCTOR CHIP | 10μH | Q8601 | | TRANSISTOR | | | |
| L8305 | 1-414-196-41 | | 47μH | Q8602 | | TRANSISTOR | | | |
| L8306 | 1-414-196-41 | | 47μH | Q8603 | | TRANSISTOR | | | |
| L0300 | 1-414-190-41 | INDOCTOR | 47μπ | Q8604 | | TRANSISTOR | | | ₹ |
| L8307 | 1-414-196-41 | INDUCTOR | 47µH | | 0.20020.0 | | 20,11001,111 | | • |
| L8501 | 1-412-029-11 | INDUCTOR CHIP | 10µH | Q8605 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | | |
| L8801 | 1-412-029-11 | INDUCTOR CHIP | 10μH | Q8606 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | , | |
| L8802 | 1-412-029-11 | INDUCTOR CHIP | 10μH | Q8607 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | | |
| | | | | Q8801 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | | |
| | | | | Q8802 | 8-729-026-49 | TRANSISTOR | 2SA1037AK-T- | 146-F | ₹ |
| | <transisto< td=""><td>)R></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></transisto<> |)R> | | | | | | | |
| | | | | Q8803 | | TRANSISTOR | | | |
| Q8301 | | TRANSISTOR 2SA | | Q8804 | | TRANSISTOR | | | |
| Q8302 | | TRANSISTOR 2SC | | Q8805 | | TRANSISTOR | | | ₹ |
| Q8303 | | TRANSISTOR 2SC | | Q8807 | | TRANSISTOR | | | |
| Q8304 | | TRANSISTOR 2SC | | Q8808 | 8-729-026-49 | TRANSISTOR | 2SA1037AK-T- | 146-F | ₹ |
| Q8306 | 8-729-120-28 | TRANSISTOR 2SC | C1623-L5L6 | | | | | | _ |
| 00007 | 0.700.000.40 | TD ANIGIOTOD COA | 4007ALC T 440 D | Q8809 | | TRANSISTOR | | | ₹ |
| Q8307 | | TRANSISTOR 2SA | | Q8810 | | TRANSISTOR | | | |
| Q8308 | | TRANSISTOR 2SC | | Q8811 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | | |
| Q8309 | | TRANSISTOR 2SC | | | | | | | |
| Q8316 Q8317 | | TRANSISTOR 2SC TRANSISTOR 2SA | | | <resistor></resistor> | | | | |
| QOST | 6-729-020-49 | TRANSISTOR 23A | 11037AN-1-140-N | | <resistor></resistor> | • | | | |
| Q8318 | 8-729-120-28 | TRANSISTOR 2SC | C1623-L5L6 | R8301 | 1-216-041-00 | RES-CHIP | 470 5 | % | 1/10W |
| Q8319 | | TRANSISTOR 2SC | | R8302 | 1-216-041-00 | | | | 1/10W |
| Q8321 | | TRANSISTOR 2SC | | R8303 | 1-216-021-00 | | | | 1/10W |
| Q8322 | | TRANSISTOR 2SC | | R8304 | 1-216-057-00 | | | | 1/10W |
| Q8323 | 8-729-026-49 | TRANSISTOR 2SA | 1037AK-T-146-R | R8305 | 1-216-105-91 | RES-CHIP | 220K 5 | % | 1/10W |
| | | | | | | | | | |
| Q8324 | | TRANSISTOR 2SC | | R8306 | 1-216-022-00 | | | | 1/10W |
| Q8326 | | TRANSISTOR 2SC | | R8307 | 1-216-022-00 | | | | 1/10W |
| Q8327 | | TRANSISTOR DTO | | R8308 | 1-216-105-91 | | | | 1/10W |
| Q8328 Q8332 | | TRANSISTOR DTO | | R8309 R8310 | 1-216-105-91 1-216-022-00 | | | | 1/10W 1/10W |
| Q0332 | 6-729-020-49 | TRANSISTOR 23A | 11037AN-1-140-N | K0310 | 1-210-022-00 | RES-CHIP | 75 5 | 70 | 1/1000 |
| Q8338 | 8-729-120-28 | TRANSISTOR 2SC | C1623-L5L6 | R8311 | 1-216-105-91 | RES-CHIP | 220K 5 | % | 1/10W |
| Q8340 | 8-729-120-28 | TRANSISTOR 2SC | C1623-L5L6 | R8312 | 1-216-105-91 | RES-CHIP | 220K 5 | % | 1/10W |
| Q8401 | 8-729-120-28 | TRANSISTOR 2SC | C1623-L5L6 | R8313 | 1-216-022-00 | RES-CHIP | 75 5 | % | 1/10W |
| Q8402 | 8-729-120-28 | TRANSISTOR 2SC | C1623-L5L6 | R8314 | 1-216-105-91 | RES-CHIP | 220K 5 | % | 1/10W |
| Q8405 | 8-729-026-49 | TRANSISTOR 2SA | 1037AK-T-146-R | R8315 | 1-216-105-91 | RES-CHIP | 220K 5 | % | 1/10W |
| 09406 | 9 720 026 40 | TDANICICTOD 20A | 1027AV T 146 D | R8316 | 1 216 112 00 | DEC CUID | 470K 5 | 0/ | 1/10W |
| Q8406 Q8407 | | TRANSISTOR 2SA TRANSISTOR 2SA | | R8317 | 1-216-113-00 1-216-022-00 | | | | 1/10W |
| Q8408 | | TRANSISTOR 2SC | | R8318 | 1-216-022-00 | | | | 1/10W |
| Q8409 | | TRANSISTOR 2SA | | R8319 | 1-216-022-00 | | | | 1/10W |
| Q8410 | | TRANSISTOR 2SC | | R8320 | 1-216-022-00 | | | | 1/10W |
| QUTIU | 0 725 120 20 | 117/11/01/01/01/200 | 71023 2320 | 110020 | 1210 100 01 | KEO OF III | 22010 3 | 70 | 171000 |
| Q8411 | | TRANSISTOR 2SA | | R8321 | 1-216-105-91 | RES-CHIP | 220K 5 | % | 1/10W |
| Q8412 | 1-801-806-11 | TRANSISTOR DTO | C144EKA | R8322 | 1-216-022-00 | RES-CHIP | 75 5 | % | 1/10W |
| Q8413 | 1-801-806-11 | TRANSISTOR DTO | C144EKA | R8323 | 1-216-025-91 | RES-CHIP | 100 5 | % | 1/10W |
| Q8414 | 1-801-806-11 | TRANSISTOR DTO | C144EKA | R8324 | 1-216-025-91 | RES-CHIP | 100 5 | % | 1/10W |
| Q8415 | 8-729-120-28 | TRANSISTOR 2SC | C1623-L5L6 | R8325 | 1-216-025-91 | RES-CHIP | 100 5 | % | 1/10W |
| 00440 | 0 700 400 00 | TDANICIOTAD COA | 24602 LELG | Beacc | 1 016 105 04 | DEC CLUD | 2201/ - | 0/ | 1/10\\\ |
| Q8416 | | TRANSISTOR 2SC | | R8326 | 1-216-105-91 | | | | 1/10W |
| Q8417 | | TRANSISTOR 2SC | | R8327 | 1-216-025-91 | | | | 1/10W |
| Q8418 | | TRANSISTOR 2SC | | R8328 | 1-216-113-00 | | | | 1/10W |
| Q8419 | | TRANSISTOR 2SA | | R8329 | 1-216-113-00 | | | | 1/10W |
| Q8420 | 0-129-026-49 | TRANSISTOR 2SA | 11031AN-1-140-K | R8330 | 1-216-022-00 | KEO-CHIP | 75 5 | % ′ | 1/10W |
| Q8421 | 8-729-026-49 | TRANSISTOR 2SA | 1037AK-T-146-R | R8331 | 1-216-025-91 | RES-CHIP | 100 5 | % | 1/10W |
| Q8422 | | TRANSISTOR 2SA | | R8332 | 1-216-025-91 | | | | 1/10W |
| Q8423 | | TRANSISTOR 2SA | | R8333 | 1-216-025-91 | | | | 1/10W |
| Q8424 | | TRANSISTOR 2SA | | R8334 | 1-216-025-91 | | | | 1/10W |
| Q8425 | | TRANSISTOR 2SC | | R8335 | 1-216-065-91 | | | | 1/10W |
| | | | | 1 | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK |
|----------------|------------------------------|-------------|----------|-------------|----------------|----------------|------------------------------|-------------|------------|-------------|----------------|
| R8336 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R8398 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R8337 | 1-216-022-00 | RES-CHIP | 75 | 5% | 1/10W | R8399 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R8338 | 1-216-065-91 | | 4.7K | 5% | 1/10W | R8400 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8339 | 1-216-065-91 | | 4.7K | 5% | 1/10W | R8401 | 1-216-017-91 | | 47 | 5% | 1/10W |
| R8340 | 1-216-065-91 | | 4.7K | 5% | 1/10W | 10401 | 1-210-017-91 | KLO-OIIII | 47 | 370 | 1/1000 |
| | | | | | | R8402 | 1-216-067-00 | | 5.6K | 5% | 1/10W |
| R8341 | 1-216-065-91 | | 4.7K | 5% | 1/10W | R8403 | 1-216-067-00 | | 5.6K | 5% | 1/10W |
| R8342 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R8404 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R8343 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R8405 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R8344 | 1-216-022-00 | RES-CHIP | 75 | 5% | 1/10W | R8406 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W |
| R8345 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | D0407 | 4 040 000 00 | DEC CLUD | 220 | 5 0/ | 4/40\\ |
| R8346 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R8407 R8408 | 1-216-033-00 1-216-033-00 | | 220 220 | 5% 5% | 1/10W 1/10W |
| R8347 | 1-216-025-91 | | 100 | 5% | 1/10W | R8409 | 1-216-295-91 | | 0 | 070 | ., |
| R8348 | 1-216-057-00 | | 2.2K | 5% | 1/10W | R8410 | 1-216-295-91 | | 0 | | |
| | | | | | | | | | | E0/ | 4/40\\ |
| R8349 R8350 | 1-216-049-91 1-216-049-91 | | 1K 1K | 5% 5% | 1/10W 1/10W | R8411 | 1-216-083-00 | RES-CHIP | 27K | 5% | 1/10W |
| | | 0 0 | | 0,70 | ., | R8412 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R8351 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R8413 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R8352 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | R8414 | 1-208-796-11 | METAL CHIP | 3.9K | 0.5% | 1/10W |
| R8353 | 1-216-295-91 | | 0 | | | R8417 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8354 | 1-216-041-00 | | 470 | 5% | 1/10W | R8418 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8355 | 1-216-017-91 | | 47 | 5% | 1/10W | 110410 | 1 210 020 01 | KEO OI III | 100 | 070 | 1/1011 |
| | | | | | | R8419 | 1-216-017-91 | RES-CHIP | 47 | 5% | 1/10W |
| R8356 | 1-216-017-91 | RES-CHIP | 47 | 5% | 1/10W | R8420 | 1-216-017-91 | RES-CHIP | 47 | 5% | 1/10W |
| R8357 | 1-216-041-00 | | 470 | 5% | 1/10W | R8421 | 1-216-295-91 | | 0 | | |
| R8362 | | METAL CHIP | 430 | | 1/10W | R8422 | 1-216-295-91 | | 0 | | |
| R8363 | | METAL CHIP | 470 | | 1/10W | R8424 | 1-216-083-00 | | 27K | 5% | 1/10W |
| R8364 | 1-216-041-00 | | 470 | 5% | 1/10W | 110424 | 1-210-003-00 | KLO-OIIII | 2/10 | 370 | 1/1000 |
| | | | | | | R8425 | 1-216-089-91 | | 47K | 5% | 1/10W |
| R8365 | 1-216-067-00 | | 5.6K | 5% | 1/10W | R8426 | | METAL CHIP | 3.9K | 0.5% | 1/10W |
| R8366 | 1-216-067-00 | RES-CHIP | 5.6K | 5% | 1/10W | R8427 | 1-216-295-91 | | 0 | | |
| R8367 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W | R8428 | 1-216-295-91 | SHORT | 0 | | |
| R8368 | 1-216-041-00 | | 470 | 5% | 1/10W | R8431 | 1-216-295-91 | SHORT | 0 | | |
| R8369 | 1-216-295-91 | SHORT | 0 | | | D0422 | 1 216 20E 01 | CHODE | 0 | | |
| 20070 | 4 040 005 04 | DEC OUID | 400 | 5 0/ | 4/4014/ | R8432 | 1-216-295-91 | | 0 | 5 0/ | 4/4014/ |
| R8370 | 1-216-025-91 | | 100 | 5% | 1/10W | R8436 | 1-216-017-91 | | 47 | 5% | 1/10W |
| R8373 | 1-216-039-00 | | 390 | 5% | 1/10W | R8437 | 1-208-291-11 | | 4.7M | 5% | 1/10W |
| R8374 | 1-216-041-00 | | 470 | 5% | 1/10W | R8438 | 1-208-291-11 | | 4.7M | 5% | 1/10W |
| R8375 | 1-216-017-91 | | 47 | 5% | 1/10W | R8439 | 1-208-291-11 | RES-CHIP | 4.7M | 5% | 1/10W |
| R8376 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R8440 | 1-208-291-11 | DEC CUID | 4.7M | 5% | 1/10W |
| D0277 | 1 216 025 01 | DEC CHID | 100 | E0/ | 1/10\\ | | 1-208-291-11 | | 4.7M | | |
| R8377 | 1-216-025-91 | | 100 | 5% | 1/10W | R8441 | | | | 5% | 1/10W |
| R8378 | 1-216-033-00 | | 220 | 5% | 1/10W | R8443 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8379 | 1-216-033-00 | | 220 | 5% | 1/10W | R8444 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8380 | 1-216-025-91 | | 100 | 5% | 1/10W | R8445 | 1-216-017-91 | RES-CHIP | 47 | 5% | 1/10W |
| R8381 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | D0446 | 1 216 205 01 | CHODI | 0 | | |
| 20202 | 1 046 000 00 | חבכ כו יים | 220 | E0/ | 4/40\4/ | R8446 | 1-216-295-91 | | 0 | E0/ | 4/40\4 |
| R8382 | 1-216-033-00 | | 220 | 5% | 1/10W | R8447 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R8383 | 1-216-033-00 | | 220 | 5% | 1/10W | R8448 | 1-216-033-00 | | 220 | 5% | 1/10W |
| R8384 | 1-216-025-91 | | 100 | 5% | 1/10W | R8449 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R8385 | 1-216-025-91 | | 100 | 5% | 1/10W | R8451 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R8386 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | D0450 | 4 040 044 00 | DEC CLUD | 470 | 5 0/ | 4/40\\ |
| 20207 | 1 016 017 04 | DEC CLUD | 47 | E0/ | 1/10\\ | R8452 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R8387 | 1-216-017-91 | | 47 | 5% | 1/10W | R8453 | 1-216-033-00 | | 220 | 5% | 1/10W |
| R8388 | 1-216-031-00 | | 180 | 5% | 1/10W | R8454 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R8389 | 1-216-033-00 | | 220 | 5% | 1/10W | R8455 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R8390 | 1-216-017-91 | | 47 | 5% | 1/10W | R8456 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R8391 | 1-216-017-91 | RES-CHIP | 47 | 5% | 1/10W | DOAFO | 1 216 040 04 | DEC CUID | 11⁄ | 5 0/ | 1/10\\\ |
| 28303 | 1-216 017 04 | DEC-CHID | 47 | E0/ | 1/10\\\ | R8458 | 1-216-049-91 | | 1K | 5% 5% | 1/10W |
| R8392 | 1-216-017-91 | | 47 | 5% | 1/10W | R8461 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R8393 | 1-216-017-91 | | 47 | 5% | 1/10W | R8464 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R8394 | 1-216-025-91 | | 100 | 5% | 1/10W | R8465 | 1-216-089-91 | | 47K | 5% | 1/10W |
| R8395 | 1-216-033-00 | | 220 | 5% | 1/10W | R8466 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R8396 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | | | | | | |
| | | | | | | R8467 | 1-216-113-00 | | 470K | 5% | 1/10W |
| R8397 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R8468 | 1-216-113-00 | RES-CHIP | 470K | 5% | 1/10W |
| | - | | | | | T | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | ı | R | EMARK |
|----------------|------------------------------|-------------|--------------|-------------|----------------|----------------|------------------------------|-------------|-------------|-------------|----------------|
| D0400 | 4 040 040 04 | DEC CUID | 417 | 5 0/ | 4/40\\ | D0570 | 4 040 040 04 | DEC CUID | 417 | 5 0/ | 4/40\\ |
| R8469 | 1-216-049-91 | | 1K | 5% | 1/10W | R8572 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R8470 R8471 | 1-216-069-00 1-216-069-00 | | 6.8K 6.8K | 5% 5% | 1/10W 1/10W | R8573 | 1-206-776-11 | METAL CHIP | 560 | 0.5% | 1/10W |
| K04/ I | 1-210-009-00 | KES-CHIP | 0.or | 3% | 1/1000 | R8574 | 1 200 000 11 | METAL CHIP | 5.6K | 0.50/ | 1/10W |
| R8472 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W | R8575 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R8473 | 1-216-025-91 | | 100 | 5% | 1/10W | R8577 | 1-216-295-91 | | 0 | J /0 | 1/1000 |
| R8478 | 1-216-089-91 | | 47K | 5% | 1/10W | R8580 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8479 | 1-216-097-91 | | 100K | 5% | 1/10W | R8581 | 1-216-049-91 | | 166 1K | 5% | 1/10W |
| R8480 | 1-216-073-00 | | 10K | 5% | 1/10W | 110001 | 1 210 040 01 | KEO OI III | 113 | 070 | 1/1000 |
| | | | | 0,0 | ., | R8582 | 1-208-776-11 | METAL CHIP | 560 | 0.5% | 1/10W |
| R8481 | 1-216-095-00 | RES-CHIP | 82K | 5% | 1/10W | R8583 | | METAL CHIP | 5.6K | | 1/10W |
| R8482 | 1-216-089-91 | | 47K | 5% | 1/10W | R8584 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R8484 | 1-216-045-00 | RES-CHIP | 680 | 5% | 1/10W | R8586 | 1-216-295-91 | SHORT | 0 | | |
| R8485 | 1-216-013-00 | RES-CHIP | 33 | 5% | 1/10W | R8589 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R8487 | 1-216-045-00 | RES-CHIP | 680 | 5% | 1/10W | | | | | | |
| | | | | | | R8590 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R8488 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W | R8591 | 1-208-776-11 | METAL CHIP | 560 | 0.5% | 1/10W |
| R8490 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R8592 | 1-208-800-11 | METAL CHIP | 5.6K | 0.5% | 1/10W |
| R8494 | 1-216-295-91 | SHORT | 0 | | | R8593 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R8496 | 1-216-025-91 | | 100 | 5% | 1/10W | R8595 | 1-216-295-91 | SHORT | 0 | | |
| R8502 | 1-216-295-91 | SHORT | 0 | | | | | | | | |
| | | | | | | R8596 | 1-216-295-91 | SHORT | 0 | | |
| R8503 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W | R8601 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R8504 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R8602 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R8510 | 1-216-049-91 | | 1K | 5% | 1/10W | R8603 | 1-216-097-91 | | 100K | 5% | 1/10W |
| R8514 | 1-216-295-91 | | 0 | | | R8604 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R8515 | 1-216-295-91 | SHORT | 0 | | | _ | | | | | |
| 50-10 | | 556 61115 | | | | R8605 | 1-216-089-91 | | 47K | 5% | 1/10W |
| R8519 | 1-216-025-91 | | 100 | 5% | 1/10W | R8606 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8523 | 1-216-049-91 | | 1K | 5% | 1/10W | R8607 | 1-216-097-91 | | 100K | 5% | 1/10W |
| R8525 | 1-216-025-91 | | 100 | 5% | 1/10W | R8608 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R8526 | 1-216-037-00 | | 330 | 5% | 1/10W | R8609 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R8529 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | D0640 | 1 016 005 01 | DEC CUID | 100 | E0/ | 4/40\\ |
| R8530 | 1-216-025-91 | DEC CHID | 100 | 5% | 1/10W | R8610 R8611 | 1-216-025-91 1-216-097-91 | | 100 100K | 5% 5% | 1/10W |
| | | | | 5% | 1/1000 | 1 | | | | | 1/10W |
| R8531 R8535 | 1-216-295-91 1-216-049-91 | | 0 1K | 5% | 1/10W | R8612 R8613 | 1-216-049-91 1-216-033-00 | | 1K 220 | 5% 5% | 1/10W 1/10W |
| R8536 | 1-216-025-91 | | 100 | 5% | 1/10W | R8614 | 1-216-033-00 | | 180 | 5% | 1/10W |
| R8537 | 1-216-025-91 | | 100 | 5% | 1/10W | 10014 | 1-210-031-00 | INLO-OI III | 100 | J /0 | 1/1000 |
| 110001 | . 210 020 01 | 1120 01111 | 100 | 070 | 17 1011 | R8615 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R8539 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R8616 | 1-216-295-91 | | 0 | 0,0 | ., |
| R8542 | 1-216-041-00 | | 470 | 5% | 1/10W | R8617 | 1-216-089-91 | | 47K | 5% | 1/10W |
| R8543 | 1-216-039-00 | | 390 | 5% | 1/10W | R8618 | 1-216-097-91 | | 100K | 5% | 1/10W |
| R8544 | 1-216-041-00 | | 470 | 5% | 1/10W | R8619 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8545 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | | | | | | |
| | | | | | | R8620 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R8546 | 1-216-295-91 | SHORT | 0 | | | R8621 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| R8547 | 1-216-295-91 | SHORT | 0 | | | R8622 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| R8548 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R8623 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8552 | 1-216-049-91 | | 1K | 5% | 1/10W | R8624 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R8554 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| D | | | | | | R8625 | 1-216-089-91 | | 47K | 5% | 1/10W |
| R8555 | | METAL CHIP | 470 | | 1/10W | R8626 | 1-216-097-91 | | 100K | 5% | 1/10W |
| R8556 | 1-216-081-00 | | 22K | 5% | 1/10W | R8627 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R8557 | | METAL CHIP | 270 | | 1/10W | R8628 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R8558 | 1-216-081-00 | | 22K | 5% | 1/10W | R8629 | 1-216-295-91 | SHORT | 0 | | |
| R8559 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | Docon | 1 200 765 11 | METAL CHID | 200 | 0.50/ | 1/10\\\ |
| R8561 | 1-216-025-91 | RES-CHID | 100 | 5% | 1/10W | R8630 R8631 | 1-208-765-11 | METAL CHIP | 200 220 | 0.5% 5% | 1/10W 1/10W |
| R8562 | 1-216-023-91 | | 560 | 5% | 1/10W | R8632 | 1-216-035-00 | | 100 | 5% 5% | 1/10W |
| R8563 | 1-216-043-91 | | 22K | 5% | 1/10W | R8633 | 1-216-025-91 | | 100 | 5% 5% | 1/10W |
| R8564 | 1-216-033-00 | | 22N 220 | 5% | 1/10W | R8634 | 1-216-025-91 | | 100 | 5% 5% | 1/10W |
| R8565 | 1-216-033-00 | | 22K | 5% | 1/10W | 110004 | 1 2 10 020-91 | ALO OI III | 100 | J /0 | 1, 10 4 4 |
| 110000 | . 210 001 00 | | <i>LL</i> 11 | O /0 | 1, 1000 | R8801 | 1-216-017-91 | RES-CHIP | 47 | 5% | 1/10W |
| R8566 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R8803 | 1-216-075-00 | | 12K | 5% | 1/10W |
| R8568 | 1-216-295-91 | | 0 | - / 0 | | R8804 | 1-216-069-00 | | 6.8K | 5% | 1/10W |
| R8571 | 1-216-025-91 | | 100 | 5% | 1/10W | R8805 | 1-216-037-00 | | 330 | 5% | 1/10W |
| | | | | | | 1 | | | | | |



| REF.NO. | PART NO. | DESCRIPTIO | N | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|---------|---|----------------|----------|-------------|---------|----------------|--|-----------------------|---------------|-----------|------------|
| R8806 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W | | * A-1136-088-A | A BD BOARD, CO | | | |
| R8807 | 1-216-033-00 | DES CHID | 220 | 5% | 1/10W | | | ****** | ***** | | |
| | | | | | | | | | | | |
| R8808 | 1-216-053-00 | | 1.5K | 5% | 1/10W | | 04540170 | _ | | | |
| R8809 | 1-216-037-00 | | 330 | 5% | 1/10W | | <capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<> | ₹> | | | |
| R8810 | 1-216-043-91 | | 560 | 5% | 1/10W | | | | | | |
| R8811 | 1-216-091-00 | RES-CHIP | 56K | 5% | 1/10W | C2601 C2602 | 1-104-664-11 1-163-259-91 | ELECT CERAMIC CHIP | 47µF 220pF | 20% 5% | 25V 50V |
| R8812 | 1-216-067-00 | RES-CHIP | 5.6K | 5% | 1/10W | C2603 | 1-104-664-11 | | 47µF | 20% | 25V |
| R8813 | 1-216-049-91 | | 1K | 5% | 1/10W | C2604 | | CERAMIC CHIP | • | _0,0 | 25V |
| R8814 | 1-216-017-91 | | 47 | 5% | 1/10W | C2607 | | CERAMIC CHIP | | 5% | 50V |
| R8815 | 1-216-295-91 | | 0 | 370 | 171000 | 02007 | 1-103-273-11 | CLIVAINIC CI III | 0.00 μι | 3 /0 | 30 V |
| R8816 | | METAL CHIP | 1K | 0.5% | 1/10W | C2608 | 1-104-664-11 | | 47µF | 20% | 25V |
| | | | | | | C2609 | 1-163-038-91 | CERAMIC CHIP | 0.1μF | | 25V |
| R8819 | 1-216-295-91 | SHORT | 0 | | | C2610 | 1-163-038-91 | CERAMIC CHIP | 0.1µF | | 25V |
| R8820 | 1-208-770-11 | METAL CHIP | 330 | 0.5% | 1/10W | C2611 | 1-104-664-11 | ELECT | 47µF | 20% | 25V |
| R8821 | | METAL CHIP | 1K | | 1/10W | C2612 | | CERAMIC CHIP | | | 25V |
| R8822 | | METAL CHIP | 330 | | 1/10W | 020.2 | | 02 | о р.: | | |
| R8823 | 1-216-049-91 | | 1K | 5% | 1/10W | C2613 | 1-104-664-11 | FLECT | 47µF | 20% | 25V |
| 110023 | 1-210-043-31 | I INLO-CI III | IIX | 370 | 171000 | C2615 | | CERAMIC CHIP | | 2070 | 25V |
| D0004 | 4 000 700 44 | METAL CLUD | 214 | 0.50/ | 4/40\4/ | | | | | | |
| R8824 | | METAL CHIP | 3K | | 1/10W | C2616 | | CERAMIC CHIP | | | 25V |
| R8825 | 1-216-049-91 | | 1K | 5% | 1/10W | C2617 | | CERAMIC CHIP | - P | | 25V |
| R8826 | 1-216-047-91 | I RES-CHIP | 820 | 5% | 1/10W | C2618 | 1-163-038-91 | CERAMIC CHIP | 0.1μF | | 25V |
| R8827 | 1-208-789-11 | METAL CHIP | 2K | 0.5% | 1/10W | | | | | | |
| R8828 | 1-216-047-91 | RES-CHIP | 820 | 5% | 1/10W | C2619 | 1-164-690-91 | CERAMIC CHIP | 0.0022µF | 5% | 50V |
| | | | | | | C2620 | 1-163-038-91 | CERAMIC CHIP | 0.1µF | | 25V |
| R8829 | 1-216-061-00 | RES-CHIP | 3.3K | 5% | 1/10W | C2621 | 1-104-664-11 | FLECT | 47µF | 20% | |
| R8830 | 1-216-295-91 | | 0 | 0,0 | ., | C2622 | 1-104-664-11 | | 47µF | 20% | |
| R8832 | 1-216-295-91 | | 0 | | | C2623 | | CERAMIC CHIP | | 2070 | 25V |
| | | | - | F 0/ | 4/40\\ | 02023 | 1-103-030-91 | CENAIVIIC CI IIF | υ. τμι | | 23 V |
| R8834 | 1-216-053-00 | | 1.5K | 5% | 1/10W | 00004 | 4 404 404 44 | | 0 0000 F | 400/ | 50\ / |
| R8835 | 1-216-051-00 | RES-CHIP | 1.2K | 5% | 1/10W | C2624 | | CERAMIC CHIP | • | 10% | 50V |
| _ | | | | | | C2625 | 1-104-664-11 | | 47µF_ | 20% | 25V |
| R8838 | 1-216-053-00 | RES-CHIP | 1.5K | 5% | 1/10W | C2626 | | CERAMIC CHIP | | 10% | 50V |
| R8840 | 1-216-081-00 | RES-CHIP | 22K | 5% | 1/10W | C2627 | 1-163-038-91 | CERAMIC CHIP | 0.1µF | | 25V |
| R8841 | 1-216-081-00 | RES-CHIP | 22K | 5% | 1/10W | C2628 | 1-104-664-11 | ELECT | 47µF | 20% | 25V |
| R8844 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | | | | | | |
| R8847 | 1-216-295-91 | SHORT | 0 | | | C2631 | 1-163-275-11 | CERAMIC CHIP | 0.001uF | 5% | 50V |
| | | | | | | C2633 | | CERAMIC CHIP | | 10% | 50V |
| R8848 | 1-216-295-91 | SHORT | 0 | | | C2635 | | CERAMIC CHIP | | | 25V |
| R8849 | 1-216-035-00 | | 270 | 5% | 1/10W | C2636 | 1-104-664-11 | | 47µF | 20% | 25V |
| R8851 | 1-216-041-00 | | 470 | 5% | 1/10W | C2637 | | CERAMIC CHIP | | 5% | 50V |
| | | | | | | 02037 | 1-105-259-91 | CLIVAINIC CI III | ΖΖΟΡΙ | 3 /0 | 30 V |
| R8852 | 1-216-041-00 | | 470 | 5% | 1/10W | 00000 | 4 404 004 44 | FLEOT | 47 | 000/ | 05) (|
| R8853 | 1-216-093-91 | RES-CHIP | 68K | 5% | 1/10W | C2639 | 1-104-664-11 | | 47µF | 20% | |
| _ | | | | | | C2640 | 1-104-664-11 | | 47µF_ | 20% | |
| R8854 | 1-216-083-00 | RES-CHIP | 27K | 5% | 1/10W | C2641 | | CERAMIC CHIP | | | 25V |
| R8855 | 1-216-043-91 | I RES-CHIP | 560 | 5% | 1/10W | C2643 | 1-163-038-91 | CERAMIC CHIP | 0.1μF | | 25V |
| R8856 | 1-216-051-00 | RES-CHIP | 1.2K | 5% | 1/10W | C2644 | 1-164-690-91 | CERAMIC CHIP | 0.0022µF | 5% | 50V |
| R8857 | 1-216-051-00 | RES-CHIP | 1.2K | 5% | 1/10W | | | | | | |
| | | | | | | C2645 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| | | | | | | C2647 | 1-104-664-11 | | 47µF | 20% | |
| | <terminal< td=""><td>R∩∆RD~</td><td></td><td></td><td></td><td>C2648</td><td></td><td>CERAMIC CHIP</td><td>•</td><td>_0 /0</td><td>25V</td></terminal<> | R∩∆RD~ | | | | C2648 | | CERAMIC CHIP | • | _0 /0 | 25V |
| | ~ I ERIVIINALI | DOWND> | | | | | | CERAMIC CHIP | | | |
| TD0404 | 1 507 740 44 | TEDMINIAL D | ICU (OEN | TED OD ' | INI) | C2649 | | | | | 25V |
| TB8101 | 1-537-712-11 | I TERMINAL, PI | JSH (CEN | TER SPT | IN) | C2650 | 1-163-038-91 | CERAMIC CHIP | ν 0.1μΕ | | 25V |
| | | | | | | C2651 | 1-104-664-11 | ELECT | 47µF | 20% | 25V |
| | <crystal></crystal> | | | | | C2652 | | CERAMIC CHIP | | | 25V |
| | | | | | | C2655 | | CERAMIC CHIP | | 5% | 50V |
| X8301 | 1_781_610 11 | VIBRATOR, C | RYSTAL (| 16 2N/IU-\ | | C2656 | 1-103-273-11 | | 47μF | | 25V |
| X8302 | | VIBRATOR, CI | | | | C2658 | | CERAMIC CHIP | | 20 /0 | 25V |
| ***** | | ***** | | | | | | y 2 | r | | - |
| | | | | | | C2659 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| | | | | | | C2660 | 1-104-664-11 | | 47μF | 20% | 25V |
| | | | | | | | | CERAMIC CHIP | | | |
| | | | | | | C2661 | | | • | 5% | 50V |
| | | | | | | C2662 | | CERAMIC CHIP | | 000: | 25V |
| | | | | | | C2663 | 1-104-664-11 | ELECT | 47µF | 20% | 25V |
| | | | | | | | | | – | | |
| | | | | | | C2666 | 1-163-038-91 | CERAMIC CHIP | 0.1μF | | 25V |
| | | | | | | 1 | | | | | |



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|----------------|--------------|-----------------------|-------|------------|---------|---|----------------|----------|------|--------|
| REF.NO. | PART NO. | DESCRIPTION | R | REMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
| | | | | | | | | | | |
| C2667 | 1-164-690-91 | CERAMIC CHIP 0.0022µF | 5% | 50V | C2742 | 1-163-231-11 | CERAMIC CHIP | 15pF | 5% | 50V |
| C2668 | | CERAMIC CHIP 0.1µF | 0,0 | 25V | C2744 | | CERAMIC CHIP | • | 0,0 | 25V |
| C2670 | 1-104-664-11 | • | 20% | 25V | C2745 | 1-104-664-11 | | 47μF | 20% | 25V |
| C2673 | | CERAMIC CHIP 0.1µF | 2070 | 25V | 02/43 | 1 104 004 11 | LLLOI | -7 μι | 2070 | 201 |
| C2073 | 1-103-030-91 | CERAINIC CHIP 0.1µP | | 25 V | C2746 | 1 104 664 11 | FLECT | 47 | 200/ | 251/ |
| 00074 | 4 400 000 04 | OFFINANC OLUB O 4 - F | | 05) (| | 1-104-664-11 | | 47µF | 20% | - |
| C2674 | | CERAMIC CHIP 0.1µF | | 25V | C2747 | 1-104-664-11 | | 47µF | 20% | 25V |
| C2675 | | CERAMIC CHIP 0.1µF | | 25V | C2748 | | CERAMIC CHIP | | 5% | 50V |
| C2678 | | CERAMIC CHIP 0.001µF | 5% | 50V | C2749 | | CERAMIC CHIP | 0.1µF | | 25V |
| C2679 | 1-104-664-11 | ELECT 47µF | 20% | 25V | C2750 | 1-126-935-11 | ELECT | 470µF | 20% | 6.3V |
| C2680 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | | | | | | |
| | | | | | C2751 | 1-126-935-11 | ELECT | 470µF | 20% | 6.3V |
| C2681 | 1-104-664-11 | ELECT 47µF | 20% | 25V | C2753 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C2683 | 1-104-664-11 | | 20% | 25V | C2754 | | CERAMIC CHIP | • | | 25V |
| C2685 | | CERAMIC CHIP 0.1µF | | 25V | C2755 | | CERAMIC CHIP | | | 25V |
| C2686 | | CERAMIC CHIP 0.0022µF | 5% | 50V | C2756 | 1-104-664-11 | | 47µF | 20% | 25V |
| C2689 | | CERAMIC CHIP 0.1µF | J /0 | 25V | 02/30 | 1 104 004 11 | LLLOT | 47 μι | 2070 | 20 V |
| C2009 | 1-103-030-91 | CERAINIC CHIE 0.1µ | | 25 V | C2757 | 1 162 020 04 | CEDAMIC CUID | 0.4 | | 251/ |
| 00000 | 4 400 007 44 | FLEOT 47.F | 000/ | 50)/ | C2757 | | CERAMIC CHIP | | | 25V |
| C2690 | 1-126-967-11 | - ' | 20% | | C2758 | | CERAMIC CHIP | | | 25V |
| C2691 | | CERAMIC CHIP 0.1µF | | 25V | C2759 | | CERAMIC CHIP | - 1 | | 25V |
| C2692 | 1-126-967-11 | • | 20% | 50V | C2760 | | CERAMIC CHIP | | 5% | 50V |
| C2693 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | C2761 | 1-163-263-11 | CERAMIC CHIP | 330pF | 5% | 50V |
| C2694 | 1-104-664-11 | ELECT 47µF | 20% | 25V | | | | | | |
| | | · | | | C2762 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C2695 | 1-163-259-91 | CERAMIC CHIP 220pF | 5% | 50V | C2763 | 1-104-664-11 | | 47µF | 20% | 16V |
| C2696 | | CERAMIC CHIP 0.1µF | 0,0 | 25V | C2764 | | CERAMIC CHIP | • | _0,0 | 25V |
| C2697 | 1-103-050-51 | • | 200/ | 25V | C2765 | | CERAMIC CHIP | | 100/ | 16V |
| C2698 | | CERAMIC CHIP 0.1µF | 20 /0 | 25V 25V | C2766 | | CERAMIC CHIP | | 10% | 50V |
| | | • | | | 02700 | 1-103-010-00 | CERAIVIIC CHIP | 0.0039µF | 1076 | 50 V |
| C2699 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | 00707 | 4 400 040 00 | 0504440 0140 | | 400/ | 50\ / |
| _ | | | | | C2767 | | CERAMIC CHIP | | 10% | |
| C2700 | | CERAMIC CHIP 220pF | 10% | | C2768 | | CERAMIC CHIP | • | | 25V |
| C2701 | 1-164-346-11 | CERAMIC CHIP 1µF | | 16V | C2769 | 1-104-664-11 | ELECT | 47µF | 20% | 16V |
| C2705 | 1-163-275-11 | CERAMIC CHIP 0.001µF | 5% | 50V | C2770 | 1-163-263-11 | CERAMIC CHIP | 330pF | 5% | 50V |
| C2706 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | C2771 | 1-163-016-00 | CERAMIC CHIP | 0.0039µF | 10% | 50V |
| C2707 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | | | | | | |
| | | | | _ | C2772 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C2708 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | C2773 | | CERAMIC CHIP | | | 25V |
| C2709 | 1-103-050-51 | • | 20% | | C2774 | | CERAMIC CHIP | | 10% | |
| C2709 C2710 | | · · | | 6.3V | C2775 | 1-104-664-11 | | | 20% | 16V |
| | 1-126-935-11 | • | | | | | | 47µF | | |
| C2711 | 1-126-935-11 | • | 20% | 6.3V | C2776 | 1-104-664-11 | ELECT | 47μF | 20% | 16V |
| C2713 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | | | | | | |
| | | | | | C2777 | | CERAMIC CHIP | | 5% | 50V |
| C2714 | 1-104-664-11 | ELECT 47µF | 20% | 25V | C2778 | | CERAMIC CHIP | | 5% | 50V |
| C2715 | 1-164-690-91 | CERAMIC CHIP 0.0022µF | 5% | 50V | C2779 | | CERAMIC CHIP | | 10% | 16V |
| C2716 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | C2780 | 1-107-823-11 | CERAMIC CHIP | 0.47µF | 10% | 16V |
| C2717 | 1-104-664-11 | ELECT 47µF | 20% | 25V | C2781 | 1-163-038-91 | CERAMIC CHIP | 0.1µF | | 25V |
| C2718 | | CERAMIC CHIP 1µF | | 16V | | | | • | | |
| | | | | | C2782 | 1-163-038-91 | CERAMIC CHIP | 0.1uF | | 25V |
| C2719 | 1-164-004-11 | CERAMIC CHIP 0.1µF | 10% | 25V | | | | In. | | |
| C2719 | 1-104-664-11 | • | | 25V 25V | | | | | | |
| C2721 | | CERAMIC CHIP 220pF | 5% | 50V | | <connecto< td=""><td>1D.</td><td></td><td></td><td></td></connecto<> | 1 D. | | | |
| | | • | | | | CONNECTO | JK> | | | |
| C2724 | | CERAMIC CHIP 0.001µF | 5% | 50V | ONIGOGA | * 4 504 500 44 | DILLO CONNEC | OTOD 7D | | |
| C2725 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | | | PLUG, CONNEC | | | |
| | | | | | | | CONNECTOR, E | | BOAF | RD 40P |
| C2726 | 1-126-964-11 | | 20% | 50V | CN2603 | * 1-564-511-11 | PLUG, CONNEC | CTOR 8P | | |
| C2727 | 1-164-346-11 | CERAMIC CHIP 1µF | | 16V | CN2604 | 1-695-915-11 | TAB (CONTACT |) | | |
| C2728 | 1-163-009-11 | CERAMIC CHIP 0.001µF | 10% | 50V | | | | | | |
| C2729 | 1-163-009-11 | CERAMIC CHIP 0.001µF | 10% | 50V | | | | | | |
| C2730 | 1-104-664-11 | | 20% | | | <diode></diode> | | | | |
| | | - ·· F-· | ,5 | | | | | | | |
| C2731 | 1-164-346-11 | CERAMIC CHIP 1µF | | 16V | D2601 | 8-710-022-61 | DIODE 1SS355 | ΓF-17 | | |
| C2731 C2733 | | CERAMIC CHIP 1µF | | | 1 | | | | | |
| | | | E0/ | 25V | D2602 | | DIODE 1883551 | | | |
| C2737 | | CERAMIC CHIP 0.0022µF | 5% | 50V | D2603 | | DIODE 1SS355 | | | |
| C2738 | | CERAMIC CHIP 0.1µF | | 25V | D2604 | | DIODE 1SS355 | | | |
| C2739 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | D2605 | 8-719-976-99 | DIODE DTZ5.1B | 3 | | |
| | | | | | | | | | | |
| C2740 | 1-163-038-91 | CERAMIC CHIP 0.1µF | | 25V | D2606 | 8-719-988-61 | DIODE 1SS3557 | ΓE-17 | | |
| C2741 | 1-163-237-11 | CERAMIC CHIP 27pF | 5% | 50V | D2607 | 8-719-158-49 | DIODE RD12SB | 2 | | |
| | | | | | 1 | | | | | |



| REF.NO. | PART NO. DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMAR |
|----------------|---|--------|----------------|---|-----------------------------|--------------|
| D2608 | 8-719-976-99 DIODE DTZ5.1B | | | <chip cond<="" td=""><td>UCTOR></td><td></td></chip> | UCTOR> | |
| D2609 | 8-719-988-61 DIODE 1SS355TE-17 | | IDOOOF | 4 040 005 04 | OLIODT 0 | |
| D2610 | 8-719-988-61 DIODE 1SS355TE-17 | | JR2605 | 1-216-295-91 | SHORT 0 | |
| D2611 | 8-719-988-61 DIODE 1SS355TE-17 | | | | | |
| D2612 | 8-719-976-99 DIODE DTZ5.1B | | | <coil></coil> | | |
| D2613 | 8-719-158-49 DIODE RD12SB2 | | 1.0004 | 4 444 004 00 | INDUIGTOR OUT | 0.11 |
| D2614 D2615 | 8-719-976-99 DIODE DTZ5.1B 8-719-988-61 DIODE 1SS355TE-17 | | L2601 L2602 | _ | INDUCTOR CHIP INDUCTOR CHIP | 0µH |
| J2013 | 6-719-966-61 DIODE 1353331E-17 | | L2602 | 1-414-234-22 | | 0μH 10μH |
| 02616 | 8-719-976-99 DIODE DTZ5.1B | | L2606 | | INDUCTOR CHIP | 0μH |
| 02617 | 8-719-158-49 DIODE RD12SB2 | | L2608 | 1-469-555-21 | | 10μH |
| 02618 | 8-719-976-99 DIODE DTZ5.1B | | | | | · · |
| 02619 | 8-719-988-61 DIODE 1SS355TE-17 | | L2609 | | INDUCTOR CHIP | 0μH |
| 2620 | 8-719-158-49 DIODE RD12SB2 | | L2610 | | INDUCTOR CHIP | 0µH |
| | 0.740.070.00 PIODE PT75.4P | | L2611 | | INDUCTOR CHIP | 10µH |
|)2621)2622 | 8-719-976-99 DIODE DTZ5.1B 8-719-976-99 DIODE DTZ5.1B | | L2612 L2615 | | INDUCTOR CHIP INDUCTOR CHIP | 0μH |
| 02623 | 8-719-988-61 DIODE 1SS355TE-17 | | L2013 | 1-414-234-22 | INDUCTOR CHIP | 0µH |
| 02624 | 8-719-988-61 DIODE 1SS355TE-17 | | L2616 | 1-414-234-22 | INDUCTOR CHIP | 0µH |
| | 11.10000.1.10000012.17 | | L2617 | 1-469-555-21 | | 10μH |
| | | | L2618 | 1-469-555-21 | INDUCTOR | 10µH |
| | <ferritbead></ferritbead> | | L2619 | 1-414-234-22 | INDUCTOR CHIP | 0µH |
| | | | L2621 | 1-414-234-22 | INDUCTOR CHIP | 0µH |
| FB2601 | 1-216-295-91 SHORT 0 | | | | | |
| | 1-216-295-91 SHORT 0 | | L2622 | | INDUCTOR CHIP | 0µH |
| | 1-216-295-91 SHORT 0 1-216-295-91 SHORT 0 | | L2625 | 1-414-234-22 | INDUCTOR CHIP | 0μH |
| B2604 | 1-216-295-91 SHORT 0 | | L2626 L2627 | | INDUCTOR CHIP | 10μΗ 0μΗ |
| | | | L2628 | 1-469-555-21 | | 0μ1 10μΗ |
| | <ic></ic> | | | | | · |
| | | | L2629 | | INDUCTOR CHIP | 0μH |
| C2601 | 8-759-106-02 IC μPC4570G2 | | L2633 | | INDUCTOR CHIP | 10µH |
| C2602 C2603 | 8-759-998-22 IC PCM56P 8-759-106-02 IC µPC4570G2 | | L2634 L2635 | | INDUCTOR CHIP INDUCTOR CHIP | 0μH 0μH |
| C2603 C2604 | 8-759-998-22 IC PCM56P | | L2636 | 1-414-234-22 | | 0μH 10μH |
| C2605 | 8-759-589-66 IC CM0006CF | | 12000 | 1 400 000 21 | INDOOTOR | ΤΟμίτ |
| | | | L2637 | | INDUCTOR CHIP | 0μH |
| C2606 | 8-759-485-79 IC TC7SET08FU(TE85) | | L2638 | | INDUCTOR CHIP | 0μH |
| C2607 | 8-759-925-85 IC SN74HC32ANS | | L2639 | 1-469-555-21 | | 10μH |
| C2608 C2609 | 8-759-106-02 IC μPC4570G2 8-759-998-22 IC PCM56P | | L2640 L2643 | | INDUCTOR CHIP INDUCTOR CHIP | 0µH o⊔ |
| C2609 C2610 | 8-759-106-02 IC μPC4570G2 | | L2043 | 1-414-234-22 | INDUCTOR CHIP | 0μH |
| | · | | L2645 | 1-469-555-21 | | 10µH |
| C2611 | 8-759-488-29 IC TC7W66FU(TE12R) | | L2646 | | INDUCTOR CHIP | 0μH |
| C2612 | 8-759-669-75 IC TLC2932IPWR | | L2647 | _ | INDUCTOR CHIP | 0µH |
| C2613 C2614 | 8-759-925-90 IC SN74HC74ANS 8-759-998-22 IC PCM56P | | L2648 L2649 | 1-469-555-21 | INDUCTOR INDUCTOR CHIP | 10μΗ 10μΗ |
| C2615 | 8-759-485-79 IC TC7SET08FU(TE85) | | L2049 | 1-412-029-11 | INDUCTOR CHIE | ΤΟμΙΤ |
| | , | | L2652 | 1-414-234-22 | INDUCTOR CHIP | 0μH |
| C2616 | 8-759-106-02 IC μPC4570G2 | | L2653 | 1-469-555-21 | INDUCTOR | 10µH |
| C2617 | 8-759-352-91 IC PST9143NL | | L2654 | | INDUCTOR CHIP | 0µH |
| C2618 | 8-759-038-15 IC MC74HC4538AF | | L2656 | 1-469-555-21 | | 10µH |
| C2619 C2620 | 8-752-916-83 IC CXP86324-028Q 8-759-367-69 IC MC74HC74AFEL | | L2657 | 1-414-234-22 | INDUCTOR CHIP | 0μΗ |
| J2020 | 5 . 55 507 55 TO MOTHIOTHAILE | | L2658 | 1-414-234-22 | INDUCTOR CHIP | 0µH |
| C2621 | 8-759-564-06 IC M24C32-MN6T | | L2659 | | INDUCTOR CHIP | 0μΗ |
| C2622 | 8-759-106-02 IC μPC4570G2 | | L2661 | | INDUCTOR CHIP | 0μH |
| C2623 | 8-759-998-22 IC PCM56P | | L2663 | | INDUCTOR CHIP | 0μH |
| C2625 C2626 | 8-759-998-22 IC PCM56P 8-759-394-80 IC NJM2058M-TE2 | | L2664 | 1-414-234-22 | INDUCTOR CHIP | 0µH |
| JZUZŪ | U 100-004-00 IO INJIVIZUDOIVI-1 EZ | | L2665 | 1-216-295-91 | SHORT 0 | |
| C2627 | 8-759-394-80 IC NJM2058M-TE2 | | L2666 | 1-216-295-91 | | |
| | | | L2667 | 1-216-295-91 | | |
| | | | L2668 | 1-216-295-91 | SHORT 0 | |
| | | | L2669 | 1-216-295-91 | SHORT 0 | |

3D

| REF.NO. | PART NO. | DESCRIPTION | N | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | ı | R | EMARK |
|----------------|--|---------------------|-----------|---------|---------|---------|---------------|-------------|------|------|----------|
| L2670 | 1-216-295-91 | SHODT | 0 | | | R2650 | 1-216-025-91 | DEC CUID | 100 | 5% | 1/10W |
| L2070 | 1-210-293-91 | SHOKI | U | | | 1 | | | | | |
| | | | | | | R2651 | 1-216-025-91 | | 100 | 5% | 1/10W |
| | | | | | | R2652 | 1-216-025-91 | | 100 | 5% | 1/10W |
| | <transisto< td=""><td>DR></td><td></td><td></td><td></td><td>R2653</td><td>1-216-025-91</td><td>RES-CHIP</td><td>100</td><td>5%</td><td>1/10W</td></transisto<> | DR> | | | | R2653 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| Q2601 | 8-729-120-28 | TRANSISTOR | 2SC1623-L | 5L6 | | R2654 | 1-216-071-00 | RES-CHIP | 8.2K | 5% | 1/10W |
| Q2602 | | TRANSISTOR | | | -R | R2655 | 1-216-025-91 | | 100 | 5% | 1/10W |
| Q2603 | | TRANSISTOR | | | | R2657 | 1-216-025-91 | | 100 | 5% | 1/10W |
| Q2604 | | TRANSISTOR | | | R | R2658 | 1-216-025-91 | | 100 | 5% | 1/10W |
| Q2605 | | TRANSISTOR | | | -11 | R2659 | 1-216-025-91 | | 100 | 5% | 1/10W |
| Q2000 | 0 720 120 20 | TIVALIOIOTOR | 2001020 L | JLO | | 112000 | 1 2 10 023 31 | KLO OI III | 100 | 370 | 1/1000 |
| Q2606 | 8-729-120-28 | TRANSISTOR | 2SC1623-L | 5L6 | | R2661 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| Q2607 | 8-729-026-49 | TRANSISTOR | 2SA1037AK | (-T-146 | -R | R2662 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| Q2608 | 1-801-806-11 | TRANSISTOR | DTC144EK/ | Ą | | R2663 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| Q2610 | 1-801-806-11 | TRANSISTOR | DTC144EK | Ą | | R2664 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| Q2611 | 1-801-806-11 | TRANSISTOR | DTC144EK | A | | R2665 | 1-208-782-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| Q2612 | 1 901 906 11 | TRANSISTOR | DTC144EK | ٨ | | R2666 | 1-216-033-00 | DES CHID | 220 | 5% | 1/10W |
| | | | | | | 1 | | | | 5% | |
| Q2613 | | TRANSISTOR | | | | R2667 | 1-216-049-91 | | 1K | | 1/10W |
| Q2614 | 8-729-120-28 | TRANSISTOR | 25C1623-L | oL6 | | R2668 | 1-216-049-91 | | 1K | 5% | 1/10W |
| | | | | | | R2669 | | METAL CHIP | 1K | | 1/10W |
| | <resistor:< td=""><td>_</td><td></td><td></td><td></td><td>R2671</td><td>1-216-025-91</td><td>RES-CHIP</td><td>100</td><td>5%</td><td>1/10W</td></resistor:<> | _ | | | | R2671 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| | KKESISTOK. | • | | | | R2672 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R2601 | 1 200 702 11 | METAL CHIP | 1K | 0.5% | 1/10W | R2673 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R2602 | | METAL CHIP | 5.1K | | 1/10W | R2674 | 1-216-049-91 | | 1K | 5% | 1/10W |
| | | | | | | 1 | | | | | |
| R2603 | | METAL CHIP | 1K | | 1/10W | R2675 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R2606 R2607 | 1-208-799-11 1-216-295-91 | METAL CHIP SHORT | 5.1K 0 | 0.5% | 1/10W | R2676 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| | | G. 16111 | | | | R2677 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R2608 | 1-216-295-91 | SHORT | 0 | | | R2678 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R2609 | 1-216-025-91 | | 100 | 5% | 1/10W | R2679 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R2610 | 1-216-025-91 | | 100 | 5% | 1/10W | R2680 | 1-216-033-00 | | 220 | 5% | 1/10W |
| R2611 | 1-216-025-91 | | 100 | 5% | 1/10W | R2681 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R2612 | 1-216-025-91 | | 100 | 5% | 1/10W | K2001 | 1-210-025-91 | KES-CHIP | 100 | 3% | 1/1000 |
| | | | | | | R2682 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R2613 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2683 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R2621 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2684 | 1-208-799-11 | METAL CHIP | 5.1K | 0.5% | 1/10W |
| R2622 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2685 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R2623 | 1-216-025-91 | | 100 | 5% | 1/10W | R2688 | 1-216-037-00 | | 330 | 5% | 1/10W |
| R2624 | 1-216-081-00 | | 22K | 5% | 1/10W | 112000 | | | | 0,0 | ., |
| | | | | | | R2689 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R2625 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2690 | 1-208-799-11 | METAL CHIP | 5.1K | 0.5% | 1/10W |
| R2628 | 1-216-049-91 | | 1K | 5% | 1/10W | R2691 | 1-216-295-91 | | 0 | | |
| R2629 | | METAL CHIP | 1K | | 1/10W | R2692 | 1-216-065-91 | | 4.7K | 5% | 1/10W |
| R2630 | | METAL CHIP | 27K | | 1/10W | R2693 | 1-216-295-91 | | 0 | 070 | 17 1011 |
| R2631 | 1-216-065-91 | | 4.7K | 5% | 1/10W | 112033 | 1 210 255 51 | OHORH | O | | |
| | * | | | - | | R2694 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R2632 | 1-208-782-11 | METAL CHIP | 1K | 0.5% | 1/10W | R2695 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R2634 | 1-216-049-91 | | 1K | 5% | 1/10W | R2698 | 1-216-037-00 | RES-CHIP | 330 | 5% | 1/10W |
| R2635 | | METAL CHIP | 6.8K | | 1/10W | R2699 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| R2636 | 1-216-295-91 | | 0 | 0.070 | ., | R2701 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R2637 | 1-216-071-00 | | 8.2K | 5% | 1/10W | 112701 | 121004100 | KEO OF III | 410 | 070 | 17 10 11 |
| | | | | | | R2703 | 1-216-037-00 | RES-CHIP | 330 | 5% | 1/10W |
| R2638 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R2704 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R2639 | 1-208-801-11 | METAL CHIP | 6.2K | 0.5% | 1/10W | R2705 | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R2640 | 1-216-033-00 | | 220 | 5% | 1/10W | R2706 | | METAL CHIP | 1K | | 1/10W |
| R2641 | | METAL CHIP | 5.1K | | 1/10W | R2707 | 1-216-065-91 | | 4.7K | 5% | 1/10W |
| R2643 | 1-216-033-00 | | 220 | 5% | 1/10W | | | | | | |
| Des. | 4.040.0=:: | DE0 0: "= | 0.614 | = | 4/40000 | R2708 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R2644 | 1-216-071-00 | | 8.2K | 5% | 1/10W | R2709 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R2645 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R2710 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W |
| R2646 | 1-208-799-11 | METAL CHIP | 5.1K | 0.5% | 1/10W | R2712 | 1-208-782-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R2647 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2714 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R2648 | 1-216-295-91 | | 0 | - | | | | | | | |
| | | | | | | R2715 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| R2649 | 1-216-295-91 | SHORT | 0 | | | R2716 | 1-216-025-91 | | 100 | 5% | 1/10W |
| | | | | | | • | | | | | |



| REF.NO. | PART NO. | DESCRIPTIO | N | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | N | R | EMAR |
|--------------|--------------|------------|---|-------------|---------|---------|---------------|-------------|-------|-------------|-------|
| R2717 | 1-208-799-11 | METAL CHIP | 5.1K | 0.5% | 1/10W | R2785 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R2719 | | METAL CHIP | 5.1K | 0.5% | 1/10W | R2786 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R2720 | 1-216-295-91 | SHORT | 0 | | | | | | | | |
| | | | | | | R2787 | | METAL CHIP | 1K | | 1/10W |
| 2721 | 1-216-295-91 | | 0 | | | R2789 | | METAL CHIP | 5.1K | | 1/10W |
| R2723 | | METAL CHIP | 3K | | 1/10W | R2790 | 1-208-798-11 | METAL CHIP | 4.7K | | 1/10W |
| 2725 | | METAL CHIP | 560 | | 1/10W | R2791 | 1-216-073-00 | | 10K | 5% | 1/10V |
| 2726 | | METAL CHIP | 2.2K | | 1/10W | R2792 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10V |
| R2728 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| | | | | | | R2793 | 1-216-033-00 | | 220 | 5% | 1/10V |
| 2729 | 1-216-033-00 | | 220 | 5% | 1/10W | R2794 | 1-216-025-91 | | 100 | 5% | 1/10V |
| R2730 | 1-216-025-91 | | 100 | 5% | 1/10W | R2796 | 1-216-049-91 | | 1K | 5% | 1/10V |
| R2731 | | METAL CHIP | 680K | | 1/10W | R2797 | 1-216-065-91 | | 4.7K | 5% | 1/10V |
| R2732 | | METAL CHIP | 1K | | 1/10W | R2799 | 1-208-810-11 | METAL CHIP | 15K | 0.5% | 1/10V |
| R2733 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| | | | | | | R2800 | 1-216-065-91 | | 4.7K | 5% | 1/10V |
| R2734 | 1-216-025-91 | | 100 | 5% | 1/10W | R2803 | | METAL CHIP | 5.1K | 0.5% | 1/10V |
| R2735 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2804 | 1-216-295-91 | SHORT | 0 | | |
| R2736 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2805 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10V |
| 2737 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2806 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10V |
| 2738 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | | | | | | |
| | | | | | | R2807 | 1-216-295-91 | SHORT | 0 | | |
| 2739 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2808 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10V |
| 2740 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2809 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10V |
| 2741 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | R2810 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10V |
| 2742 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2811 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10\ |
| 2743 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | | | |
| | | | | | | R2812 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10\ |
| 2744 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2813 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10\ |
| 2745 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2814 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10\ |
| 2746 | | METAL CHIP | 680K | | 1/10W | R2815 | 1-216-073-00 | | 10K | 5% | 1/10\ |
| R2747 | | METAL CHIP | 1K | | 1/10W | R2818 | 1-216-025-91 | | 100 | 5% | 1/10 |
| R2750 | | METAL CHIP | 5.1K | | 1/10W | | | | | | ., |
| | | | • | | | R2821 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10V |
| R2751 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2823 | 1-216-033-00 | | 220 | 5% | 1/10V |
| R2752 | 1-216-025-91 | | 100 | 5% | 1/10W | R2824 | 1-216-033-00 | | 220 | 5% | 1/100 |
| R2753 | 1-216-025-91 | | 100 | 5% | 1/10W | R2825 | 1-216-033-00 | | 220 | 5% | 1/100 |
| R2755 | 1-216-073-00 | | 10K | 5% | 1/10W | R2826 | 1-216-033-00 | | 220 | 5% | 1/10V |
| R2756 | 1-216-073-00 | | 10K | 5% | 1/10W | 112020 | 1 2 10 000 00 | KLO OI III | 220 | 370 | 1/100 |
| (2700 | 1 210 075 00 | KLO OI III | 1010 | 370 | 1/1000 | R2827 | 1-216-033-00 | DES-CHID | 220 | 5% | 1/10V |
| R2758 | 1-216-025-91 | DES-CHID | 100 | 5% | 1/10W | R2831 | 1-216-035-00 | | 100 | 5% | 1/100 |
| R2759 | 1-216-023-91 | | 220 | 5% | 1/10W | R2832 | 1-216-025-91 | | 100 | 5% | 1/100 |
| R2760 | | METAL CHIP | 5.1K | | 1/10W | R2834 | 1-216-025-91 | | 100 | 5% | 1/100 |
| | | | | 0.5% | 1/1000 | | | | | | |
| R2761 | 1-216-295-91 | | 0 | | | R2835 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10V |
| R2762 | 1-216-295-91 | SHUKT | 0 | | | Doooc | 4 040 440 00 | DEC CLUD | 7501/ | 50 / | 4/401 |
| 20700 | 4 040 005 04 | DEO OLUD | 400 | 5 0/ | 4/40\4/ | R2836 | 1-216-118-00 | | 750K | 5% | 1/10V |
| 2763 | 1-216-025-91 | | 100 | 5% | 1/10W | R2837 | 1-216-049-91 | | 1K | 5% | 1/10 |
| 2764 | 1-216-049-91 | | 1K | 5% | 1/10W | R2838 | 1-216-122-11 | | 1.1M | 5% | 1/10\ |
| R2765 | 1-216-025-91 | | 100 | 5% | 1/10W | R2839 | 1-216-049-91 | | 1K | 5% | 1/10\ |
| 2766 | 1-216-049-91 | | 1K | 5% | 1/10W | R2840 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10\ |
| 2767 | 1-216-033-00 | RES-CHIP | 220 | 5% | 1/10W | _ | | | | | |
| | | | | | | R2841 | 1-216-073-00 | | 10K | 5% | 1/10V |
| 2768 | 1-216-049-91 | | 1K | 5% | 1/10W | R2842 | 1-216-073-00 | | 10K | 5% | 1/10\ |
| 2769 | 1-216-025-91 | | 100 | 5% | 1/10W | R2843 | 1-216-295-91 | | 0 | | |
| 2771 | 1-216-033-00 | | 220 | 5% | 1/10W | R2844 | 1-216-073-00 | | 10K | 5% | 1/10\ |
| 2773 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2845 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10\ |
| 2774 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | | | | | | |
| | | | | | | R2846 | 1-216-049-91 | | 1K | 5% | 1/10\ |
| 2775 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2847 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10\ |
| 2777 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2848 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10\ |
| 2778 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2849 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10\ |
| 2779 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | R2850 | 1-216-124-11 | RES-CHIP | 1.3M | 5% | 1/10\ |
| | | METAL CHIP | 1K | | 1/10W | | | | | | |
| - * | | | | | | R2851 | 1-216-124-11 | RES-CHIP | 1.3M | 5% | 1/10\ |
| | 4 040 070 00 | RES-CHIP | 10K | 5% | 1/10W | R2852 | 1-216-057-00 | | 2.2K | 5% | 1/10 |
| 2782 | 1-216-073-00 | | | - / 0 | ., | | 5 55, 66 | | | J / U | ., |
| 2782 2783 | 1-216-073-00 | | 0 | | | R2853 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10\ |



| REF.NO. | PART NO. | DESCRIPTION | l | RI | EMARK | REF.NO. | PART NO. | DESCRIPTION | ı | R | EMARK |
|---|---|--|--------------------------|------------------------|--------------------------|----------------------------------|--|---|--|---------------------------|----------------------------------|
| R2873 | 1-216-049-91 <crystal></crystal> | | 1K | 5% | 1/10W | R3502 R3503 R3504 R3506 | 1-216-093-91 1-216-073-00 1-216-689-11 1-216-057-00 | RES-CHIP RES-CHIP | 68K 10K 39K 2.2K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W |
| X2701 ******* | | VIBRATOR, CR | | | ***** | R3507 R3508 R3509 | 1-216-689-11 1-216-073-00 1-216-073-00 | RES-CHIP | 39K 10K 10K | 5% 5% 5% | 1/10W 1/10W 1/10W |
| | * A-1343-830-A | A DS BOARD, CO | | | | R3511 R3512 | 1-208-803-11 1-216-033-00 | METAL CHIP RES-CHIP | 7.5K 220 | 0.5% 5% | 1/10W 1/10W |
| | <capacito< td=""><td>R></td><td></td><td></td><td></td><td>R3513 R3514 R3515</td><td>1-216-033-00 1-216-073-00 1-216-033-00</td><td>RES-CHIP</td><td>220 10K 220</td><td>5% 5% 5%</td><td>1/10W 1/10W 1/10W</td></capacito<> | R> | | | | R3513 R3514 R3515 | 1-216-033-00 1-216-073-00 1-216-033-00 | RES-CHIP | 220 10K 220 | 5% 5% 5% | 1/10W 1/10W 1/10W |
| C3501 C3502 C3503 | 1-104-664-11 1-104-664-11 1-104-664-11 | ELECT | 47μF 47μF 47μF | 20% 20% 20% | 25V 25V 25V | R3518 R3519 | 1-216-053-00 1-216-081-00 | RES-CHIP | 1.5K 22K | 5% 5% | 1/10W 1/10W |
| C3504 C3505 | 1-104-664-11 1-104-664-11 | ELECT | 47μF 47μF | 20% 20% | 25V 25V | R3520 R3521 R3523 | 1-216-081-00 1-216-103-00 1-216-099-00 | RES-CHIP | 22K 180K 120K | 5% 5% 5% | 1/10W 1/10W 1/10W |
| C3506 C3507 C3508 | 1-163-275-11 1-126-964-11 1-107-714-11 | - | 0.001μF 10μF 10μF | 5% 20% 20% | 50V 50V 16V | R3524 R3526 | 1-216-097-91 1-216-039-00 | RES-CHIP | 100K 390 | 5% 5% | 1/10W 1/10W |
| C3509 C3510 | 1-137-371-11 1-163-038-91 | MYLAR CERAMIC CHIF | 0.015µF 90.1µF | 5% | 50V 25V | R3529 R3530 R3531 | 1-216-107-00 1-216-081-00 1-216-041-00 | RES-CHIP RES-CHIP | 270K 22K 470 | 5% 5% 5% | 1/10W 1/10W 1/10W |
| C3511 C3512 C3513 | 1-104-664-11 1-163-038-91 | CERAMIC CHIP | 47μF 9 0.1μF | 20% | 25V 25V 25V | R3532 R3533 | 1-216-037-00 1-216-075-00 | RES-CHIP | 330 12K | 5% 5% | 1/10W 1/10W |
| C3514 C3515 C3518 | 1-104-664-11 | CERAMIC CHIF ELECT CERAMIC CHIF | 47μF | 20% 0.25pl | 25V 25V | R3535 R3537 R3538 R3541 | 1-216-097-91 1-216-081-00 1-216-073-00 1-216-079-00 | RES-CHIP RES-CHIP | 100K 22K 10K 18K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W |
| C3516 C3519 C3520 C3523 C3525 | 1-104-664-11 1-137-374-11 | ELECT MYLAR CERAMIC CHIF | 47μF 0.047μF | 20% 5% 5% 20% | 25V 50V 50V 25V | ****** | * A-1346-923-A * A-1346-924-A | D BOARD, CO | ************************************** | ******* \$48) \$53) | |
| C3526 C3528 C3529 | 1-104-664-11 1-107-714-11 1-164-161-11 | | 47μF 10μF 0.0022μF | 20% 20% 10% | 25V 16V 50V | | | A D BOARD, CO A D BOARD, CO | MPLETE (E | S43) | |
| CN3501 | <connecto< td=""><td>OR></td><td>BOARD TO</td><td>) BOARI</td><td>D 15P</td><td></td><td></td><td>SPACER, MICA SCREW (M3X1 (D5107, D510</td><td>0), P, SW (-</td><td>Q5104) +) IC5104</td><td>4, IC5105,</td></connecto<> | OR> | BOARD TO |) BOARI | D 15P | | | SPACER, MICA SCREW (M3X1 (D5107, D510 | 0), P, SW (- | Q5104) +) IC5104 | 4, IC5105, |
| | <diode></diode> | | | | | | | RETAINER, TR SCREW +PSW | | 601, IC5 | 5502) |
| D3501 D3502 D3503 | 8-719-914-44 | DIODE RD5.6S- DIODE DAP202 DIODE RD5.6S- | K | | | | <capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<> | ₹> | | | |
| | <ic></ic> | | | | | C5001 C5002 C5011 | 1-104-664-11 1-126-963-11 1-126-934-11 | ELECT ELECT | 47μF 4.7μF 220μF | 20% 20% 20% | 50V 16V |
| IC3502 IC3503 | 8-759-251-31 | IC CA0007AM IC CA0007AM | | | | C5020 C5102 | 1-126-961-11 1-102-973-00 | CERAMIC | 2.2µF 100pF | 20% 5% | 50V |
| IC3504 IC3505 IC3506 | 8-759-711-28 | IC CA0007AM B IC NJM2058D B IC µPC4558G2 | | | | C5103 C5104 C5105 C5112 | 1-126-960-11 1-137-415-11 1-102-973-00 1-162-117-00 | MYLAR CERAMIC CERAMIC | 1μF 0.0068μF 100pF 100pF | 5% 10% | 100V 50V 500V |
| | <resistor:< td=""><td>></td><td></td><td></td><td></td><td>C5113</td><td>1-136-207-11</td><td></td><td>0.047μF 100μF</td><td>10%</td><td></td></resistor:<> | > | | | | C5113 | 1-136-207-11 | | 0.047μF 100μF | 10% | |
| R3501 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | C5115 C5117 | 1-124-347-51 1-162-116-00 | | 680pF | | 160V 2KV |



| REF.NO. | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|----------------|------------------------------|-------------------|-------------------|------------|--------------|----------------|------------------------------|-----------------------|-------------------|------------|------------|
| C5118 C5119 | 1-137-391-11 1-162-116-00 | | 0.0047µF 680pF | 5% 10% | 100V 2KV | C5224 C5225 | 1-126-967-11 | ELECT CERAMIC CHIP | 47µF | 20% 10% | |
| C5119 | 1-162-116-00 | | 680pF | 10% | 2KV | 03223 | 1-103-021-91 | CEIVAINIC CI III | 0.01μι | 10 /0 | 30 V |
| | | | | | | C5226 | 1-164-161-11 | CERAMIC CHIP | 0.0022µF | 10% | 50V |
| C5123 | 1-129-718-00 | FILM | 0.022µF | 5% | 630V | C5301 | 1-104-664-11 | ELECT | 47μF [.] | 20% | 25V |
| C5127 | 1-117-643-11 | FILM | 9100pF | 3% | 1.2KV | C5302 | 1-104-665-11 | ELECT | 100μF | 20% | 25V |
| C5130 | 1-115-521-11 | | 0.82µF | 5% | 250V | C5303 | 1-126-933-11 | | 100µF | | 16V |
| C5133 C5135 | 1-104-665-11 | CERAMIC CHIP | 100µF | 20% 10% | 25V 50V | C5304 | 1-163-005-11 | CERAMIC CHIP | 470pF | 10% | 50V |
| 00100 | 1-104-101-11 | OLIVAIVIIO OI III | 0.0022μι | 1070 | 30 V | C5305 | 1-137-399-11 | MYLAR | 0.1µF | 5% | 100V |
| C5136 | 1-164-161-11 | CERAMIC CHIP | 0.0022µF | 10% | 50V | C5307 | | CERAMIC CHIP | | 10% | 25V |
| C5137 | 1-137-043-11 | MYLAR | 0.0047µF | 10% | 400V | C5308 | 1-126-960-11 | ELECT | 1μF | 20% | 50V |
| C5138 | 1-126-965-11 | | 22µF | 20% | 50V | C5310 | 1-126-964-11 | | 10μF | 20% | 50V |
| C5141 | 1-136-189-00 | | 0.1µF | | 250V 500V | C5311 | 1-136-177-00 | MYLAR | 1μF | 5% | 50V |
| C5142 | 1-162-117-00 | CERAMIC | 100pF | 10% | 500V | C5312 | 1-163-021-01 | CERAMIC CHIP | 0.01uF | 10% | 50V |
| C5143 | 1-115-521-11 | FILM | 0.82µF | 5% | 250V | C5313 | 1-126-933-11 | | 100µF | 20% | 16V |
| C5145 | 1-104-665-11 | | 100µF | 20% | | C5314 | 1-126-969-11 | | 220µF | 20% | 50V |
| C5146 | 1-107-655-11 | ELECT | 47µF | 20% | 250V | C5315 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C5147 | 1-102-228-00 | | 470pF | 10% | 500V | C5316 | 1-137-401-11 | MYLAR | 0.22µF | 10% | 100V |
| C5148 | 1-126-941-11 | ELECT | 470µF | 20% | 25V | C5317 | 1-104-664-11 | FLECT | 47µF | 20% | 16V |
| C5149 | 1-126-941-11 | ELECT | 470uF | 20% | 25V | C5317 | | CERAMIC CHIP | | 10% | 50V |
| C5150 | | CERAMIC CHIP | - 1 | 10% | | C5319 | 1-126-941-11 | | 470μF | 20% | |
| C5151 | 1-164-161-11 | CERAMIC CHIP | 0.0022µF | | 50V | C5320 | 1-126-972-11 | ELECT | 1000µF | 20% | 50V |
| C5152 | 1-126-972-11 | | 1000µF | 20% | 50V | C5321 | 1-163-243-11 | CERAMIC CHIP | 47pF | 5% | 50V |
| C5153 | 1-126-972-11 | ELECT | 1000µF | 20% | 50V | 05000 | 4 400 004 04 | CEDAMIC CLUD | 0.04 | 400/ | E0) (|
| C5158 | 1-124-347-51 | FLECT | 100µF | 20% | 160V | C5323 C5326 | 1-163-021-91 | CERAMIC CHIP | 0.01μF 1000μF | 10% 20% | 50V |
| C5159 | 1-124-347-31 | | 470μF | 20% | 160 V | C5327 | | CERAMIC CHIP | | 5% | 50V |
| C5160 | 1-126-935-11 | | 470µF | 20% | 16V | C5328 | | CERAMIC CHIP | | 10% | |
| C5163 | | CERAMIC CHIP | | 10% | 50V | C5329 | 1-163-251-11 | CERAMIC CHIP | 100pF | 5% | 50V |
| C5164 | 1-164-161-11 | CERAMIC CHIP | 0.0022µF | 10% | 50V | 05004 | 4 400 000 44 | EL EOT | | 000/ | 50) (|
| C5165 | 1-126-967-11 | ELECT | 47µF | 20% | 50V | C5331 C5332 | 1-126-960-11 | CERAMIC CHIP | 1µF | 20% 10% | 50V 50V |
| C5166 | 1-107-909-11 | | 47μF | 20% | | C5333 | | CERAMIC CHIP | • | 10% | |
| C5167 | 1-126-967-11 | | 47μF | 20% | 50V | C5334 | 1-126-960-11 | | 1μF | 20% | 50V |
| C5168 | 1-107-909-11 | | 47µF | 20% | 50V | C5401 | 1-126-967-11 | ELECT | 47μF | 20% | 50V |
| C5170 | 1-163-037-11 | CERAMIC CHIP | 0.022µF | 10% | 50V | 05400 | | EL EOT | 47. 5 | 000/ | 05)/ |
| C5171 | 1-106-387-00 | MVIAD | 0.068µF | 10% | 200V | C5402 C5403 | 1-104-664-11 1-102-125-00 | | 47μF 0.0047μF | 20% 10% | |
| C5171 | | CERAMIC CHIP | | 10% | 50V | C5404 | 1-102-125-00 | | 0.0047μF | 10% | 50V |
| C5173 | | CERAMIC CHIP | | 10% | 50V | C5405 | 1-102-125-00 | | 0.0047µF | 10% | 50V |
| C5174 | 1-163-037-11 | CERAMIC CHIP | 0.022µF | 10% | 50V | C5406 | 1-104-664-11 | | 47µF ' | 20% | |
| C5175 | 1-126-967-11 | ELECT | 47µF | 20% | 50V | | | | | | |
| C5176 | 1 106 067 14 | ELECT | 47E | 200/ | E0\/ | C5407 | 1-130-495-00 | | 0.1µF | 5% | 50V |
| C5176 C5204 | 1-126-967-11 1-126-933-11 | | 47μF 100μF | 20% 20% | 50V 16V | C5507 C5508 | 1-102-973-00 1-102-973-00 | | 100pF 100pF | 5% 5% | 50V 50V |
| C5204 | 1-120-933-11 | | 0.1μF | 20% 5% | 50V | C5509 | 1-102-973-00 | | 100pF 100pF | 5% 5% | 50V |
| C5206 | 1-126-960-11 | | 1μF | 20% | 50V | C5510 | 1-102-973-00 | | 100pF | 5% | 50V |
| C5207 | 1-126-965-11 | ELECT | 22μF | 20% | 50V | | | | | | |
| 05000 | 4 400 00= 11 | OED ***** *** | 0.000 = | 4001 | 50) (| C5511 | 1-102-973-00 | | 100pF | 5% | 50V |
| C5208 | | CERAMIC CHIP | | 10% | 50V | C5512 | 1-102-973-00 | | 100pF | 5% | 50V |
| C5209 C5211 | 1-163-275-11 | CERAMIC CHIP | 0.001μF 0.1μF | 5% 5% | 50V 50V | C5517 C5518 | 1-126-965-11 1-126-965-11 | | 22μF 22μF | 20% 20% | 50V 50V |
| C5211 | 1-126-935-11 | | 470μF | 20% | 16V | C5519 | 1-126-969-11 | | 220μF | 20% | 50V |
| C5215 | 1-126-964-11 | | 10μF | 20% | 50V | | | · | h. | _0 /0 | |
| | | | • | | | C5520 | 1-126-969-11 | | 220µF | 20% | 50V |
| C5216 | 1-164-096-11 | | 0.01µF | | 50V | C5521 | 1-130-495-00 | | 0.1µF | 5% | 50V |
| C5217 | 1-164-096-11 | | 0.01µF | | 50V | C5522 | 1-130-495-00 | | 0.1µF | 5% | 50V |
| C5218 C5219 | 1-164-096-11 1-164-096-11 | | 0.01µF 0.01µF | | 50V 50V | C5523 C5524 | 1-126-971-11 1-126-971-11 | | 470µF 470µF | 20% 20% | 50V 50V |
| C5219 C5220 | 1-164-096-11 | | 0.01µF | | 50V 50V | 03324 | 1-120-31 1-11 | LLLOI | <i>-1</i> ∪μΓ | ZU /0 | JU V |
| | | 22.000 | v.h. | | | C5527 | 1-126-969-11 | ELECT | 220µF | 20% | 50V |
| C5221 | 1-164-096-11 | CERAMIC | 0.01µF | | 50V | C5528 | 1-126-969-11 | | 220μF | 20% | |
| C5222 | 1-164-096-11 | | 0.01µF | | 50V | C5529 | 1-137-150-11 | | 0.01µF | 5% | 50V |
| C5223 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | C5530 | 1-137-150-11 | MYLAR | 0.01µF | 5% | 50V |
| | | | | | | | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARK |
|---------|--|----------------|---------------|--------|-------|---------|---|---------------------|----------|--------|
| C5711 | 1-136-165-00 | MYI AR | 0.1µF | 5% | 50V | D5202 | 8-719-109-85 | DIODE RD5.1ES | SB2 | |
| •••• | | | σμ. | 0,0 | | D5203 | | DIODE MTZJ-T- | | |
| C5712 | 1-136-177-00 | MVI AR | 1µF | 5% | 50V | D5204 | | DIODE MTZJ-7. | | |
| C5713 | 1-104-665-11 | | 100µF | 20% | | D5205 | | DIODE 1SS133 | | |
| | | | | | | 1 | | | | |
| C5714 | 1-130-471-00 | | 0.001µF | 5% | 50V | D5207 | 8-719-991-33 | DIODE 1SS133 | 1-// | |
| C5715 | 1-137-150-11 | | 0.01µF | 5% | 50V | | | | | |
| C5716 | 1-104-665-11 | ELECT | 100µF | 20% | 25V | D5208 | | DIODE 1SS133 | | |
| | | | | | | D5301 | 8-719-923-86 | DIODE MTZJ-T- | ·77-15 | |
| C5717 | 1-126-968-11 | ELECT | 100µF | 20% | 50V | D5302 | 8-719-991-33 | DIODE 1SS133 | T-77 | |
| C5718 | 1-162-114-00 | CERAMIC | 0.0047µF | | 2KV | D5303 | 8-719-908-03 | DIODE GP08D | | |
| C5719 | 1-126-968-11 | ELECT | 100µF | 20% | 50V | D5304 | 8-719-908-03 | DIODE GP08D | | |
| C5720 | 1-137-372-11 | MYLAR | 0.022µF | 5% | 50V | | | | | |
| C5721 | 1-104-661-91 | ELECT | 330µF | 20% | 16V | D5305 | 8-719-991-33 | DIODE 1SS133 | T-77 | |
| | | | | | | D5306 | | DIODE MTZJ-T- | | |
| C5722 | 1-126-934-11 | FLECT | 220µF | 20% | 16\/ | D5307 | | DIODE MTZJ-T- | | |
| C5727 | | CERAMIC CHIP | | 10% | | D5308 | | DIODE MTZJ-T- | | |
| | | | • | | | 1 | | | | |
| C5728 | | CERAMIC CHIP | • | 10% | | D5309 | 8-719-924-16 | DIODE MTZJ-T- | -77-24 | |
| C5759 | 1-126-964-11 | | 10μF | 20% | | _ | | | | |
| C5760 | 1-164-182-11 | CERAMIC CHIP | 0.0033µF | 10% | 50V | D5401 | | DIODERD10ES | | |
| | | | | | | D5402 | 8-719-982-96 | DIODE MTZJ-T- | -77-2.2A | |
| | | | | | | D5701 | 8-719-991-33 | DIODE 1SS133 | T-77 | |
| | <connecto< td=""><td>R></td><td></td><td></td><td></td><td>D5704</td><td>8-719-991-33</td><td>DIODE 1SS133</td><td>T-77</td><td></td></connecto<> | R> | | | | D5704 | 8-719-991-33 | DIODE 1SS133 | T-77 | |
| | | | | | | D5719 | 8-719-923-86 | DIODE MTZJ-T- | 77-15 | |
| CN5001 | * 1-564-506-11 | PLUG, CONNEC | TOR 3P | | | 20 | 0 0 0 2 0 0 0 | 2.02220 . | | |
| | | PIN, CONNECT | | ۷DD) ۱ | 2D | D5721 | 9 710 022 96 | DIODE MTZJ-T- | 77 15 | |
| | | PIN, CONNECT | | AI(D). | JI . | D5721 | | DIODE RGP02- | - | |
| | | | | | | _ | | | | |
| | | TAB (CONTACT | , | | | D5726 | | DIODE 1SS133 | | |
| CN5006 | 1-564-512-11 | PLUG, CONNEC | TOR 9P | | | D5727 | | DIODE 1SS133 | | |
| | | | | | | D5732 | 8-719-991-33 | DIODE 1SS133 | Т-77 | |
| | | PIN, CONNECT | | | | | | | | |
| CN5008 | 1-580-689-11 | PIN, CONNECTO | OR (PC BO | ARD) | 4P | | | | | |
| CN5009 | * 1-580-689-11 | PIN, CONNECTO | OR (PC BO | ARD) | 4P | | <ferritbea< td=""><td>ND></td><td></td><td></td></ferritbea<> | ND> | | |
| CN5010 | 1-564-507-11 | PLUG, CONNEC | CTOR 4P | | | | | | | |
| | | PLUG, CONNEC | | | | FB5102 | 1-412-911-11 | FERRITE | 0µH | |
| | | , | | | | | 1-412-911-11 | | 0µH | |
| CN5012 | * 1-564-507-11 | PLUG, CONNEC | TOR 4P | | | - 20.00 | | | · . | |
| | | PLUG, CONNEC | | | | | | | | |
| | | PIN, CONNECT | | ۸DD) | 4D | | <ic></ic> | | | |
| | | | | | | | <10> | | | |
| | | CONNECTOR, E | | DUAR | D 40P | 105400 | 0 750 704 70 | 10 11 11 170 10 5 1 | | |
| CN5016 | 1-900-903-64 | CONNECTOR A | SSY 20P | | | IC5103 | | IC NJM7812FA | | |
| | | | | | | IC5104 | | IC LM7912CT | | |
| | | CONNECTOR A | | | | IC5105 | 8-759-701-56 | IC NJM78M05F | A | |
| CN5018 | * 1-564-511-11 | PLUG, CONNEC | CTOR 8P | | | IC5106 | 8-759-701-84 | IC NJM7905FA | | |
| CN5019 | * 1-564-507-11 | PLUG, CONNEC | CTOR 4P | | | IC5107 | 8-759-701-59 | IC NJM78M09F | A | |
| CN5020 | * 1-564-506-11 | PLUG, CONNEC | CTOR 3P | | | | | | | |
| CN5402 | * 1-691-616-21 | CONNECTOR. I | BOARD TO | BOAR | D 15P | IC5201 | 8-759-085-67 | IC LM339NS | | |
| | | | | | | IC5301 | | IC CA0007AM | | |
| | | | | | | IC5302 | 8-759-192-71 | | | |
| | <diode></diode> | | | | | IC5302 | 8-759-998-98 | | | |
| | <diode></diode> | | | | | 1 | | | | |
| | | D.ODE .OO. | | | | IC5401 | 8-759-711-28 | IC NJM2058D | | |
| D5001 | | DIODE 1SS1337 | | | | | | | | |
| D5002 | 8-719-991-33 | DIODE 1SS1337 | Г-77 | | | IC5501 | 8-749-014-67 | IC STK392-020 | | |
| D5006 | 8-719-991-33 | DIODE 1SS1337 | Γ -7 7 | | | IC5502 | 8-749-014-67 | IC STK392-020 | | |
| D5008 | 8-719-991-33 | DIODE 1SS1337 | Г-77 | | | IC5703 | 8-759-711-28 | IC NJM2058D | | |
| D5101 | 8-719-983-38 | DIODE MTZJ-T- | 77-36B | | | | | | | |
| | | | | | | | | | | |
| D5107 | 8-719-979-99 | DIODE ERDO8M | I-15 | | | | <chip cond<="" td=""><td>LICTOR></td><td></td><td></td></chip> | LICTOR> | | |
| D5107 | | DIODE FMG-36 | | 4 | | | 30. AT 0014D | 551517 | | |
| D5108 | | DIODE FING-30. | | | | JR5301 | 1-216-295-91 | SHORT | 0 | |
| | | | ,,, | | | | | | 0 | |
| D5115 | 8-719-302-43 | | | | | JR5303 | 1-216-295-91 | SHUKT | U | |
| D5116 | 8-719-979-85 | DIODE EGP20G | į | | | | | | | |
| | | | | | | | | | | |
| D5117 | 8-719-302-43 | DIODE EL1Z | | | | | <coil></coil> | | | |
| D5118 | 8-719-979-85 | DIODE EGP20G | i | | | | | | | |
| D5121 | 8-719-979-85 | DIODE EGP20G | i | | | L5101 | 1-406-665-11 | INDUCTOR | 100µH | |
| D5122 | 8-719-979-85 | DIODE EGP20G | i | | | L5105 | 1-459-111-00 | INDUCTOR | 10mH | |
| D5201 | 8-719-991-33 | DIODE 1SS1337 | Γ-77 | | | L5107 | 1-412-533-21 | INDUCTOR | 47µH | |
| | | | | | | I | | | • | |

D

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | l . | REMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|---|---|------------------------------------|-------------------------------|-------------|----------------|------------------------------|--------------------------|--------------|-------------|----------------------------------|
| .5108 | 1-412-533-21 | INDUCTOR | 47µH | | | <resistor></resistor> | • | | | |
| 5109 | 1-412-519-11 | INDUCTOR | 3.3µH | | _ | | | | | |
| | | | | | R5004 | 1-216-089-91 | | 47K | 5% | 1/10W |
| 5201 | 1-414-187-11 | INDUCTOR | 47µH | | R5013 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| 5301 | 1-412-524-11 | INDUCTOR | 8.2µH | | R5023 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| 5501 | 1-412-533-21 | INDUCTOR | 47µH | | R5048 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| 5502 | 1-412-533-21 | INDUCTOR | 47μΗ | | R5101 | | METAL OXIDE | 33K | 5% | 3W |
| 5503 | 1-412-533-21 | INDUCTOR | 47µH | | DE440 | 4 047 040 44 | CARRON | 0.017 | 50 / | 4 /4\\ |
| 04 | 4 440 500 04 | INDUIGTOR | 47.11 | | R5112 | 1-247-843-11 | | 3.3K | 5% | 1/4W |
| .5504 | 1-412-533-21 | INDUCTOR | 47µH | | R5115 | | METAL OXIDE | | 5% | 1W |
| | | | | | R5119 | | METAL OXIDE | | 5% | 3W |
| | NIEONI I AM | D. | | | R5120 | | METAL OXIDE | | 5% | 3W |
| | <neon lam<="" td=""><td>?></td><td></td><td></td><td>R5122</td><td>1-215-905-11</td><td>METAL OXIDE</td><td>10</td><td>5%</td><td>3W</td></neon> | ?> | | | R5122 | 1-215-905-11 | METAL OXIDE | 10 | 5% | 3W |
| IL5101 | | LAMP, NEON | | | R5136 | 1-215-443-00 | METAL | 8.2K | 1% | 1/4W |
| NL5102 | 1-517-778-21 | LAMP, NEON | | | R5138 | 1-215-457-00 | METAL | 33K | 1% | 1/4W |
| NL5103 | 1-517-778-21 | LAMP, NEON | | | R5139 | 1-216-391-11 | METAL OXIDE | 1.5 | 5% | 3W |
| NL5402 | 1-517-778-21 | LAMP, NEON | | | R5140 | 1-215-449-00 | METAL | 15K | 1% | 1/4W |
| | | , - | | | R5141 | | METAL OXIDE | 100 | 5% | 3W |
| | IO LINIK | | | | DE4.40 | 4 045 040 00 | METAL OVIDE | 00 | 50 / | 2147 |
| | <ic link=""></ic> | | | | R5146 | | METAL OXIDE | | 5% | 3W |
| 05404. | 4 500 500 5 | 1.10.11/2.10.77.4.75.5 | | | R5147 | | METAL OXIDE | | 5% | 3W |
| | | LINK, IC (1A/90 | | | R5148 | 1-249-377-11 | | 0.47 | 5% | 1/4W |
| | | LINK, IC (5A/90 | | | R5149 | 1-247-807-31 | | 100 | 5% | 1/4W |
| | | LINK, IC (5A/90 LINK, IC (5A/90 | | | R5152 | 1-216-377-11 | METAL OXIDE | 4.7 | 5% | 2W |
| | | LINK, IC (5A/90 | | | R5153 | 1-249-379-11 | CARBON | 0.68 | 5% | 1/4W |
| | | , (| , | | R5154 | 1-260-127-11 | CARBON | 220K | 5% | 1/2W |
| S5539 /ì | 1-533-595-31 | LINK, IC (3.15A | /90V AC: 60V F | C) | R5155 | 1-214-909-00 | | 68K | 1% | 1/2W |
| | | LINK, IC (3.15A | | | R5157 | | METAL OXIDE | 33 | 5% | 3W |
| | | LINK, IC (3.15A | | | 113137 | 1 213 300 00 | WETAL OXIDE | 55 | | 543,ES4 |
| | | LINK, IC (3.15A | | | R5157 | 1-216-474-11 | METAL OXIDE | 33 | 5% | 3W |
| | | LINK, IC (3.15A | | | 13137 | 1-210-474-11 | WIL TAL OXIDE | 33 | 370 | (ES5 |
| 00000 8 | \ | LINIK 10 (2.45A | /00\/ AC CO\/ F | , | DEAEZ | 4 040 470 00 | METAL OVIDE | 22 | 5 0/ |)) |
| 355502 | 1-533-595-31 | LINK, IC (3.15A | 790V AC, 60V L |)C) | R5157 | 1-216-472-00 | METAL OXIDE | 33 | 5% | 3W (ES6 |
| | | | | | R5158 | 1-216-349-00 | METAL OXIDE | 1 | 5% | 1W |
| | <transisto< td=""><td>)R<</td><td></td><td></td><td>R5159</td><td></td><td>METAL OXIDE</td><td></td><td>5%</td><td>3W</td></transisto<> |)R< | | | R5159 | | METAL OXIDE | | 5% | 3W |
| | CINANSIST |)N> | | | 13139 | 1-213-900-00 | WILLIAL OXIDE | 33 | | |
| \ | 4 004 000 44 | TDANICICTOD | DTC444EICA | | DE4E0 | 4 040 474 44 | METAL OVIDE | 20 | • | 843,ES4 |
| 25006 | | TRANSISTOR I | | 40.0 | R5159 | 1-216-474-11 | METAL OXIDE | 33 | 5% | 3W |
| 25009 | | TRANSISTOR 2 | | 146-K | | | | | | (ES5 |
| 25102 | | TRANSISTOR 2 | | | R5159 | 1-216-472-00 | METAL OXIDE | 33 | 5% | 3W |
| 25104 | | TRANSISTOR 2 | | | | | | | | (ES6 |
| 5105 | 8-729-038-83 | TRANSISTOR 2 | 2SK2251-01-F1 | 9 | | | 0.1000:: | | | |
| | | | | | R5160 | 1-249-377-11 | | 0.47 | 5% | 1/4W |
| 5106 | | TRANSISTOR 2 | | | R5161 | 1-249-377-11 | | 0.47 | 5% | 1/4W |
| 5201 | 8-729-120-28 | TRANSISTOR 2 | 2SC1623-L5L6 | | R5162 | 1-216-393-00 | METAL OXIDE | 2.2 | 5% | 3W |
| 5302 | 8-729-026-49 | TRANSISTOR 2 | 2SA1037AK-T-1 | 146-R | R5163 | 1-216-392-11 | METAL OXIDE | 1.8 | 5% | 3W |
| 5303 | | TRANSISTOR 2 | | | R5164 | 1-249-393-11 | | 10 | 5% | 1/4W |
| 5401 | | TRANSISTOR : | | | | | | | - | |
| | | | | | R5166 | 1-215-905-11 | METAL OXIDE | 10 | 5% | 3W |
| 5402 | 8-729-216-22 | TRANSISTOR 2 | 2SA1162-G | | R5169 | 1-249-424-11 | _ | 3.9K | 5% | 1/4W |
| 5403 | | TRANSISTOR I | | | R5171 | 1-249-429-11 | | 10K | 5% | 1/4W |
| 5501 | | TRANSISTOR | | STA | R5172 | 1-249-417-11 | | 1K | 5% | 1/4W |
| 5502 | | TRANSISTOR | | | R5172 | - | METAL OXIDE | 10 | 5% | 3W |
| 5502 5503 | | TRANSISTOR 2 | | | 110170 | . 210 000-11 | I'VE OVIDE | 10 | 370 | O V V |
| 5555 | 5 720-119-70 | | | | R5174 | 1-215-905-11 | METAL OXIDE | 10 | 5% | 3W |
| 5504 | 8-720. 422 22 | TRANSISTOR 2 | 25C33111 OD | STA | R5174 | | METAL OXIDE | | 5% 5% | 3W |
| 5504 5505 | | | | νι Λ | | | | | | 1/10W |
| | | TRANSISTOR 2 | | ΣΤ Λ | R5201 | 1-216-059-00 | | 2.7K | 5% | |
| | | TRANSISTOR 2 | | | R5202 | 1-216-049-91 | | 1K | 5% | 1/10V |
| | | TRANSISTOR 2 | | οιA | R5203 | 1-215-879-11 | METAL OXIDE | 47K | 5% | 1W |
| 5704 | 8-700 NEO 70 | INAMOIOTUR | 2000022 | | R5204 | 1-216-059-00 | RES-CHIP | 2.7K | 5% | 1/10W |
| 5704 | 8-729-053-73 | | | | | | | | | |
| 5704 5705 | | TRANSISTOD ' | 2 5 Δ1175₋HEE | | | | RES-CHID | | | |
| 5704 5705 5706 | 8-729-119-76 | TRANSISTOR 2 | | 7 | R5205 | 1-216-059-00 | | 2.7K | 5% | 1/10W |
| 5704 5705 5706 5707 | 8-729-119-76 8-729-823-81 | TRANSISTOR 2 | 2SC4632LS-CB | | R5205 R5206 | 1-216-059-00 1-208-837-11 | METAL CHIP | 2.7K 200K | 5% 0.5% | 1/10W 1/10W |
| 25506 25704 25705 25706 25707 25710 25711 | 8-729-119-76 8-729-823-81 8-729-026-49 | | 2SC4632LS-CB 2SA1037AK-T-1 | | R5205 | 1-216-059-00 1-208-837-11 | METAL CHIP METAL CHIP | 2.7K | 5% 0.5% | 1/10W 1/10W 1/10W 1/10W |



| | | | | | | | | | | L | |
|---------|--------------|-------------|-------|-------------|--------------|---------|--------------|-------------|------|-------------|---------------------|
| REF.NO. | PART NO. | DESCRIPTION | I | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
| | | | • | | | | | | | | |
| DE044 | 4 040 004 00 | DEC CLUD | 0014 | F 0/ | 4/40\\ | DE040 | 4 040 077 44 | CADDON | 0.47 | F0/ | 4 / 4\\ \ \ \ |
| R5211 | 1-216-081-00 | | 22K | 5% | 1/10W | R5340 | 1-249-377-11 | | 0.47 | 5% | 1/4W |
| R5212 | 1-216-071-00 | | 8.2K | 5% | 1/10W | R5341 | 1-249-377-11 | | 0.47 | 5% | 1/4W |
| R5213 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R5344 | 1-216-117-00 | RES-CHIP | 680K | 5% | 1/10W |
| R5214 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R5345 | 1-216-117-00 | RES-CHIP | 680K | 5% | 1/10W |
| R5215 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | | | | | | |
| | | | | | | R5401 | 1-216-295-91 | SHORT | 0 | | |
| R5216 | 1-247-895-91 | CARBON | 470K | 5% | 1/4W | R5405 | 1-260-087-11 | | 100 | 5% | 1/2W |
| R5217 | 1-216-071-00 | | 8.2K | 5% | 1/10W | R5406 | 1-216-295-91 | | 0 | 070 | 1/2 * * |
| | 1-216-049-91 | | | | | 1 | | | | | |
| R5218 | | | 1K | 5% | 1/10W | R5408 | 1-216-295-91 | | 0 | | |
| R5219 | 1-216-075-00 | | 12K | 5% | 1/10W | R5409 | 1-216-295-91 | SHORT | 0 | | |
| R5220 | 1-216-105-91 | RES-CHIP | 220K | 5% | 1/10W | | | | | | |
| | | | | | | R5410 | 1-260-087-11 | CARBON | 100 | 5% | 1/2W |
| R5221 | 1-216-061-00 | RES-CHIP | 3.3K | 5% | 1/10W | R5411 | 1-216-295-91 | SHORT | 0 | | |
| R5222 | 1-216-105-91 | RES-CHIP | 220K | 5% | 1/10W | R5412 | 1-208-812-11 | METAL CHIP | 18K | 0.5% | 1/10W |
| R5223 | 1-216-081-00 | | 22K | 5% | 1/10W | R5415 | 1-216-067-00 | | 5.6K | 5% | 1/10W |
| R5224 | 1-249-405-11 | | 100 | 5% | 1/4W | R5416 | 1-216-295-91 | | 0 | 070 | ., |
| | | | | | | 113410 | 1-210-233-31 | SHORT | U | | |
| R5225 | 1-200-000-11 | METAL CHIP | 10K | 0.5% | 1/10W | D=440 | 4 040 040 04 | DEO OLUB | 417 | 5 0/ | 4/4014/ |
| _ | | | | | | R5419 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R5226 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R5420 | 1-216-077-91 | RES-CHIP | 15K | 5% | 1/10W |
| R5227 | 1-260-135-11 | CARBON | 1M | 5% | 1/2W | R5421 | 1-216-081-00 | RES-CHIP | 22K | 5% | 1/10W |
| R5229 | 1-216-045-00 | RES-CHIP | 680 | 5% | 1/10W | R5422 | 1-216-105-91 | RES-CHIP | 220K | 5% | 1/10W |
| R5230 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W | R5501 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R5231 | 1-216-065-91 | | 4.7K | 5% | 1/10W | | | 0, | | 0,0 | ., |
| 110201 | 1 210 000 01 | KLO OI III | 7.710 | 370 | 17 10 00 | R5502 | 1-247-807-31 | CADRON | 100 | 5% | 1/4W |
| DECOO | 4 040 000 04 | DEC CLUD | 471/ | F 0/ | 4/40\\ | 1 | | - | | | |
| R5232 | 1-216-089-91 | | 47K | 5% | 1/10W | R5503 | 1-247-807-31 | | 100 | 5% | 1/4W |
| R5233 | 1-247-807-31 | - | 100 | 5% | 1/4W | R5504 | 1-247-807-31 | | 100 | 5% | 1/4W |
| R5234 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R5505 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R5235 | 1-208-810-11 | METAL CHIP | 15K | 0.5% | 1/10W | R5506 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R5236 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | | | | | | |
| | | | | | | R5507 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R5302 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R5508 | 1-247-843-11 | | 3.3K | 5% | 1/4W |
| R5303 | 1-216-083-00 | | 27K | 5% | 1/10W | R5509 | 1-247-843-11 | | 3.3K | 5% | 1/4W |
| | | | | | | 1 | | | | | |
| R5304 | 1-216-081-00 | | 22K | 5% | 1/10W | R5510 | 1-247-843-11 | | 3.3K | 5% | 1/4W |
| R5305 | | METAL CHIP | 6.2K | | 1/10W | R5511 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R5306 | 1-208-806-11 | METAL CHIP | 10K | 0.5% | 1/10W | | | | | | |
| | | | | | | R5512 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R5307 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | R5513 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R5308 | 1-216-353-00 | METAL OXIDE | 2.2 | 5% | 1W | R5515 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R5309 | 1-216-097-91 | | 100K | 5% | 1/10W | R5517 | 1-249-417-11 | | 1K | 5% | 1/4W |
| R5310 | | METAL OXIDE | | 5% | 1W | R5518 | 1-249-417-11 | - | 1K | 5% | 1/4W |
| R5311 | 1-216-073-00 | | 10K | 5% | 1/10W | 113310 | 1 243 417 11 | OARBON | 110 | J /0 | 1/ T V V |
| 110011 | 1-210-073-00 | INEO-OI III | TOIX | J /0 | 1/1000 | DEE10 | 1-249-429-11 | CADDON | 101/ | E0/ | 4 /4\\/ |
| D5040 | 4 040 070 00 | DEO OLUD | 4017 | 50 / | 4/4014/ | R5519 | | - | 10K | 5% | 1/4W |
| R5312 | 1-216-073-00 | | 10K | 5% | 1/10W | R5520 | 1-249-429-11 | - | 10K | 5% | 1/4W |
| R5313 | 1-216-083-00 | | 27K | 5% | 1/10W | R5521 | 1-214-808-11 | | 4.7 | 1% | 1/2W |
| R5314 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W | R5522 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W |
| R5315 | 1-215-913-11 | METAL OXIDE | 220 | 5% | 3W | R5523 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R5316 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | | | | | | |
| | | | | | | R5524 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R5317 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W | R5525 | 1-214-808-11 | - | 4.7 | 1% | 1/2W |
| R5318 | 1-216-097-91 | | 100K | 5% | 1/10W | R5526 | 1-247-807-31 | | 100 | 5% | 1/4W |
| R5319 | 1-216-085-00 | | 33K | 5% | 1/10W | R5527 | | | 4.7 | 1% | 1/2W |
| | | | | | | | 1-214-808-11 | | | | |
| R5320 | 1-249-383-11 | | 1.5 | 5% | 1/4W | R5528 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R5321 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W | | | | | | |
| | | | | | | R5529 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W |
| R5323 | 1-216-083-00 | RES-CHIP | 27K | 5% | 1/10W | R5530 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W |
| R5325 | 1-208-801-11 | METAL CHIP | 6.2K | 0.5% | 1/10W | R5531 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R5326 | 1-208-806-11 | METAL CHIP | 10K | 0.5% | 1/10W | R5532 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R5328 | 1-216-089-91 | | 47K | 5% | 1/10W | R5533 | 1-214-808-11 | | 4.7 | 1% | 1/2W |
| R5329 | 1-216-025-91 | | 100 | 5% | 1/10W | | | | | . 70 | •• |
| 110023 | . 2.0-020-31 | ALO OI III | 100 | J /0 | 1, 10 4 4 | DEESA | 1 21/ 000 44 | METAL | 17 | 10/ | 1/2\\/ |
| DECCO | 4 040 005 04 | CLIODT | 0 | | | R5534 | 1-214-808-11 | | 4.7 | 1% | 1/2W |
| R5330 | 1-216-295-91 | | 0 | | | R5535 | 1-214-808-11 | | 4.7 | 1% | 1/2W |
| R5331 | 1-216-073-00 | | 10K | 5% | 1/10W | R5536 | 1-214-808-11 | | 4.7 | 1% | 1/2W |
| R5335 | 1-216-117-00 | RES-CHIP | 680K | 5% | 1/10W | R5537 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W |
| R5337 | 1-216-117-00 | RES-CHIP | 680K | 5% | 1/10W | R5538 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W |
| R5338 | 1-216-295-91 | | 0 | | | | | | | | |
| | 0. | - | | | | R5541 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W |
| R5339 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | R5542 | 1-214-808-11 | | 4.7 | 1% | 1/2W |
| . 10000 | . 2 007 01 | J. 11.DOI1 | .00 | J / U | ., | 1.0042 | . 2 000 11 | | | . ,0 | ., • • |
| | | | | | | | | | | | |

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961 □ G1, G • The components identified by ☐ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | ne value origir | - | EMARK | REF.NO | O. PART NO. | DESCRIPTI | ION | R | REMARK |
|-------------------------|--------------|-------------|-----------------|-------------|----------------|----------------|--|-------------|--------------------|--------------------|----------------|
| R5545 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5763 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R5546 | 1-214-808-11 | | 4.7 | 1% | 1/2W | R5768 | 1-249-429-11 | | 10K | 5% | 1/4W |
| R5547 | 1-214-808-11 | | 4.7 | 1% | 1/2W | | | | | | ., |
| | | | | | | R5769 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R5548 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5770 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R5551 | 1-214-808-11 | | 4.7 | 1% | 1/2W | R5771 | 1-216-097-91 | | 100K | 5% | 1/10W |
| R5552 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | R5772 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R5553 | 1-214-808-11 | | 4.7 | 1% | 1/2W | ■ R9901 | | METAL | | | 1/4W |
| R5554 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | | | | | |
| R5555 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | <spark gaf<="" td=""><td>P></td><td></td><td></td><td></td></spark> | P> | | | |
| R5556 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | | | | | |
| R5557 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | SG570 | 2 1-519-466-11 | GAP, SPARI | K | | |
| R5558 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | | | | | |
| R5559 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | | | | | |
| R5560 | 1-214-808-11 | METAL | 4.7 | 1% | 1/2W | | <transfor< td=""><td>MER></td><td></td><td></td><td></td></transfor<> | MER> | | | |
| R5561 | 1-214-808-11 | | 4.7 | 1% | 1/2W | T5101 | 1 /27 200 11 | TDANGEOD | MER, HORIZO | NTAL | DDI\/E |
| R5562 | 1-214-808-11 | | 4.7 | 1% | 1/2W | T5101 | | | ONTAL LINE | | |
| R5563 | 1-214-606-11 | | 4.7 10K | 5% | 1/2VV 1/4W | | △ 1-453-335-11 | | | | |
| R5564 | 1-249-429-11 | | 10K | 5% | 1/4W | 13103 | ZE 1-455-555-11 | TRANSFOR | • | | 5R 10//M3P4 |
| | | 0, | | 070 | ., | T5104 | 1-435-439-11 | TRANSFOR | MER, FERRIT | ` | |
| R5565 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | ****** | ****** | ***** | ***** | ******* | ****** |
| R5566 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | | | | |
| R5567 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | * A-1316-514-A | G1 BOARD | , COMPLETE | (ES43N | /IE1/MN1 |
| R5568 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | E | S48ME1/MN1 | , ES53N | ME1/MN1 |
| R5569 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | | | ES61N | ME1/MN1 |
| | | | | | | | * A-1316-528-A | | | | |
| R5570 | 1-249-429-11 | | 10K | 5% | 1/4W | | | ı | ES48HK1/SN1 | | |
| R5723 | 1-216-073-00 | | 10K | 5% | 1/10W | | | | ****** | ES61 | HK1/SN1 |
| R5724 | 1-247-807-31 | | 100 | 5% | 1/4W | | | ****** | ***** | | |
| R5725 | 1-216-093-91 | | 68K | 5% | 1/10W | | | | | | |
| R5726 | 1-216-071-00 | KES-CHIP | 8.2K | 5% | 1/10W | | * 4 500 705 44 | LIOLDED EI | ICE (E6004) | | |
| R5727 | 1-216-085-00 | DES CHID | 33K | 5% | 1/10W | | * 1-533-725-11 * 4-374-846-01 | | | D TVDI | = |
| R5728 | 1-216-053-00 | | 1.2K | 5% | 1/10W | | 4-374-040-01 | COVER, CA | | | |
| R5720 R5729 | 1-216-031-00 | | 100 | 5% 5% | 1/10W | | 4-382-854-11 | SCDEW (Ma | | | , VD6002 |
| R5730 | 1-249-431-11 | | 15K | 5% | 1/10VV 1/4W | | 4-302-034-11 | | BOARD, D630 | | D630/ |
| R5731 | 1-216-073-00 | | 10K | 5% | 1/10W | | | (D0010.01 | | | 9, IC6004 |
| R5732 | 1-249-441-11 | CARRON | 100K | 5% | 1/4W | | <capacitof< td=""><td>).</td><td></td><td></td><td></td></capacitof<> |). | | | |
| R5734 | 1-249-441-11 | - | 3.3K | 5% | 1/4VV 1/10W | | COAFACITOR | \> | | | |
| R5735 | 1-216-057-00 | | 2.2K | 5% | 1/10W | CEOOO | △ 1-104-708-51 | MVLAD | 0.47µF | 20% | 250V |
| R5737 | 1-216-089-91 | | 47K | 5% | 1/10W | C6000 | 1-163-251-11 | | | 5% | 50V |
| R5738 | 1-249-405-11 | | 100 | 5% | 1/4W | 00001 | 1-103-231-11 | (E | S43ME1/MN1 | , ES48 ! | ME1/MN1 |
| D.E.700 | 4 040 005 04 | DEC CUID | 400 | 5 0/ | 4/40\\ | 00000 | A 4 404 700 F4 | | S53ME1/MN1 | | |
| R5739 | 1-216-025-91 | | 100 | 5% | 1/10W | | △ 1-104-706-51 | | 0.22µF | | 250V |
| R5740 | | METAL OXIDE | 1K | 5% | 3W | C6006 | 1-126-961-11 | | 2.2µF | | 50V |
| R5744 | 1-216-089-91 | | 47K | 5% | 1/10W | | | | S43ME1/MN1 | | |
| R5745 | 1-216-099-00 | | 120K | 5% | 1/10W | C6007 | 1 160 051 11 | | S53ME1/MN1 | , | |
| R5746 | 1-215-925-11 | METAL OXIDE | ZZN | 5% | 3W | C6007 | 1-163-251-11 | | S43ME1/MN1 | 5% FS48N | 50V MF1/MN1 |
| R5747 | 1-215-925-11 | METAL OXIDE | 22K | 5% | 3W | | | , | S53ME1/MN1 | - | |
| R5748 | 1-216-041-00 | | 470 | 5% | 1/10W | | | | | | |
| R5749 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | C6008 | 1-163-251-11 | CERAMIC C | HIP 100pF | 5% | 50V |
| R5750 | 1-216-025-91 | RES-CHIP | 100 | 5% | 1/10W | | | | S43ME1/MN1 | , ES48N | ME1/MN1 |
| R5751 | 1-260-099-11 | CARBON | 1K | 5% | 1/2W | 00000 | A 4 404 700 54 | | S53ME1/MN1 | | |
| R5753 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W | | △1-104-706-51 △1-119-894-51 | | 0.22µF 2200pF | | 250V 250V |
| R5754 | 1-216-003-91 | | 4.7K 10K | 5% | 1/10W | | △ 1-119-894-51 | | 2200pF | | 250V |
| R5754 R5755 | 1-216-073-00 | | 4.7K | 5% 5% | 1/10W | | △ 1-119-694-51 △ 1-161-964-91 | | 2200pr 0.0047µF | | 250V 250V |
| R5756 | 1-216-065-91 | | 4.7K 4.7K | 5% 5% | 1/10W | 50013 | ند ۱-۱۵۱ -۵04- ۵۱ | OLIVAIVIIC | υ.υυ41μΓ | | 2301 |
| 130100 | 1-210-003-91 | | | 5% 5% | 1/10VV 1/2W | C6014 | 1-163-021-91 | CERAMIC | HIP 0 0111F | 100/ | 50V |
| | 1-210.752 11 | | | | 1/2 V V | | | ALD MIVILLA | | | i IU V |
| | 1-219-752-11 | CARBON | 100K | J /0 | .,, | 000 | 1 100 021 01 | | S43ME1/MN1 | | |
| R5757 | | METAL OXIDE | | 5% | 3W | | 1 100 021 01 | (E | • | , ES48N | ME1/MN1 |
| R5757 R5758 R5759 | 1-215-925-11 | | 22K | | | | △ 1-161-964-91 | (E: | S43ME1/MN1 | , ES48N , ES61N | ME1/MN1 |

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

G1, G

| Control Cont | REF.NO | D. PART NO. | DESCRIPTION | REMARK | REF.N | O. PART NO. | DESCRIP | TION | R | EMARK |
|--|--------|-----------------------|-------------------|-----------------------|-------|-----------------------|---------|---------------------|--------|----------------|
| C6018 | C6016 | 1-163-251-11 | (ES43ME1/MN1 | , ES48ME1/MN1, | C6101 | 1-107-679-91 | | (ES43HK1/SN1 | ES48 | HK1/SN1, |
| C81019 | C6017 | △ 1-161-964-51 | | , | C6102 | △ 1-161-964-51 | CERAMIC | | | , |
| CRO12 | C6018 | △1-161-964-51 | CERAMIC 0.0047µF | 250V | C6103 | | - | | 10% | 50V |
| C6020 | _ | | | | C6104 | 1-163-009-11 | CERAMIC | CHIP 0.001µF | 10% | 50V |
| C8020 | C6019 | 1-126-961-11 | • | | 00405 | | 0504440 | 01110 0 4 5 | 400/ | 05) (|
| C6022 | | | ` | , , | 1 | | | | | |
| C6022 | C6020 | 1_126_968_11 | | . , | C6106 | 1-103-009-11 | | | | |
| C6022 | | | | | | | , | | | |
| C6022 | 000 | | | | C6106 | 1-163-275-11 | | | | , |
| C6023 | | | | | | | | (ES43HK1/SN1 | ES48 | HK1/SN1, |
| C6023 | C6022 | 1-131-940-11 | | | | | | | | , |
| C6023 | | | , | | | | | • | 10% | |
| C6023 | 00000 | 4 400 004 44 | | , | C6108 | △ 1-161-964-51 | | • | E0 401 | |
| C6023 | C6023 | 1-109-834-11 | | | | | | | | |
| Carrier Car | | | • | | | | ı | ESSSIVIE I/IVIIN I, | E3011 | /IE 1/IVIIN 1) |
| C6024 1-131-940-11 ELECT 1200µF 20% 250V (ES43ME1/MN1, ES54ME1/SN1, ES61HK1/SN1, | | | LOGONIE I/IVIN | , LSO TIVIL I/IVIINT) | C6109 | 1-104-665-11 | FLECT | 100uF | 20% | 25V |
| C6024 | C6023 | 1-131-940-11 | ELECT 1200uF | 20% 250V | 00.00 | 1 101 000 11 | | | | |
| C6024 | | | | | | | , | | | |
| (ES43)HK1/SN1, ES43HK1/SN1, ES61HK1/SN1) | | | , | | C6109 | 1-126-965-11 | | | | , |
| C6025 | C6024 | 1-117-227-11 | • | | | | | | | |
| C6026 1-115-389-11 FILM 0.018µF 39% 800V C6300 1-103-80-96-91 CERAMIC 0.0047µF 250V C6027 1-115-824-11 ELECT 18µF 20% 50V C6300 1-101-810-00 CERAMIC 100pF 5% 500V C6028 1-102-106-00 CERAMIC 100pF 10% 50V C6303 1-102-114-00 CERAMIC 470pF 10% 50V C6303 1-136-189-00 MYLAR 0.10µF 10% 250V C6303 1-102-114-00 CERAMIC 470pF 10% 50V C6303 1-136-189-00 MYLAR 0.10µF 10% 250V C6303 1-102-114-00 CERAMIC 470pF 10% 50V C6303 1-136-189-00 MYLAR 0.10µF 10% 250V C6304 1-101-810-00 CERAMIC 470pF 10% 50V C6303 1-136-189-00 MYLAR 0.03µµF 39% 14V (ES43HK1/SN1, ES48HK1/SN1, ES53HK1/SN1, ES53 | | | ` | , | | | | | | |
| C6027 1-115-824-11 ELECT 18µF 20% 50V C6028 1-104-588-11 FILM 0.0082µF 2.50%1.25KV C6029 1-102-106-00 CERAMIC 100pF 10% 50V C60303 1-136-189-00 MYLAR 0.1µF 10% 250V C6031 1-122-969-91 CERAMIC 0.039µF 3% 1KV C6032 1-152-969-91 CERAMIC 100pF 10% 50V C6033 1-128-969-11 ELECT 100µF 20% 50V C6033 1-128-969-11 ELECT 100µF 20% 50V C6033 1-126-963-11 ELECT 100µF 20% 50V C6033 1-130-190-00 FILM 8200pF 2% 50V C6034 1-130-092-00 FILM 8200pF 2% 50V C6035 1-104-665-11 ELECT 100µF 20% 50V C6036 1-101-810-00 CERAMIC 100pF 5% 500V C6037 1-128-963-11 ELECT 100µF 20% 50V C6038 1-104-865-11 ELECT 100µF 20% 50V C6039 1-101-810-00 CERAMIC 100pF 5% 500V C6030 1-137-150-11 MYLAR 0.01µF 5% 50V C6031 1-128-963-11 ELECT 100µF 20% 50V C6033 1-104-865-11 ELECT 100µF 20% 50V C6034 1-104-865-11 ELECT 100µF 20% 50V C6035 1-104-965-11 ELECT 100µF 20% 50V C6036 1-104-865-11 ELECT 100µF 20% 50V C6036 1-104-865-11 ELECT 100µF 20% 50V C6037 1-137-150-11 MYLAR 0.01µF 5% 50V C6038 1-104-588-11 FILM 0.0082µF 2.50%1.25KV C6039 1-117-227-11 MYLAR 1µF 10% 450V C6039 1-117-227-11 MYLAR 1µF 10% 450V C6040 1-117-227-11 MYLAR 1µF 10% 50V C6041 1-163-009-11 CERAMIC CHIP 0.001µF 10% 50V C6042 1-163-009-11 CERAMIC CHIP 0.001µF 10% 50V C6044 1-163-009-11 CERAMIC CHIP 0.001µF 10% 50V C6045 1-107-675-11 ELECT 1µF 20% 450V C6046 1-107-675-11 ELECT 1µF 20% 450V C6046 1-107-675-11 ELECT 1µF 20% 450V C6046 1-107-675-11 ELECT 1µF 20% 450V C6040 Δ1-161-964-51 CERAMIC 0.0047µF 20% | 00005 | 4 445 000 44 | | , | | | | | 10% | |
| C6027 1-115-824-11 ELECT 18μF 20% 50V C6028 1-104-588-11 FILM 0.0082μF 2.50%1.25KV C6029 1-102-106-00 CERAMIC 100pF 10% 50V C6030 1-136-189-00 MYLAR 0.1μF 10% 250V C6031 1-126-969-91 CERAMIC 680pF 10% 1KV C6032 1-136-189-00 MYLAR 0.003μF 3% 1KV C6032 1-115-405-11 FILM (ES43HK1/SN1, ES48HK1/SN1, ES48HK1/SN1, ES53HK1/SN1, ES41HK1/SN1, ES41HK1/SN1) C6033 1-126-963-11 ELECT 4.7μF 20% 50V C6034 1-130-029-00 FILM 8200pF 2% 50V C6035 1-104-665-11 ELECT 10μF 20% 25V C6036 1-107-906-11 ELECT 10μF 20% 50V C6036 1-107-906-11 ELECT 10μF 20% 50V C6039 1-115-389-11 FILM 0.0082μF 2.50%1.25KV C6039 1-115-389-11 FILM 0.018μF 3% 800V C6039 1-115-389-11 FILM 0.018μF 10% 450V (ES43HK1/SN1, ES41HK1/SN1) C6040 1-117-227-11 MYLAR 1μF 10% 450V (ES43HK1/SN1, ES64HK1/SN1) C6041 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6044 1-117-703-11 CERAMIC CHIP 0.001μF 10% 50V C6045 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES48ME1/MN1), ES61HK1/MN1, ES61HK1/MN1, ES63ME1/MN1, ES61HK1/MN1, ES61HK1/MN1, ES63ME1/MN1, ES61HK1/MN1, ES61HK1/MN1, ES63ME1/MN1, ES61HK1/MN1, ES61HK1/MN1, ES63ME1/MN1, ES61HK1/MN1, ES61ME1/MN1, ES63ME1/MN1, ES61HK1/MN1, ES61HE1/MN1, ES63ME1/MN1, ES61HK1/MN1, ES63ME1/MN1, ES61HK1/MN1, ES63ME1/MN1, ES61HE1/MN1, ES63ME1/MN1, ES63ME1/MN1, ES61HE1/MN1, ES63ME1/MN1, ES63ME1/MN1 | | | • | | | | | • | E0/ | |
| C6028 1-104-588-11 FILM | | | | | C6300 | 1-101-810-00 | CERAMIC | 100pF | 5% | 5007 |
| C6028 1-104-588-11 FILM | 00021 | 1-113-024-11 | τομι | 2070 30V | C6301 | 1-101-810-00 | CERAMIC | 100nF | 5% | 500\/ |
| C6029 1-102-106-00 CERAMIC 100pF 10% 50V 1-103 1-104 1-104 100 100 1-104 1-1 | C6028 | 1-104-588-11 | FILM 0.0082uF | 2.50%1.25KV | | | | | | |
| C6031 1-125-969-91 CERAMIC 0.039µF 3% 1KV 0.039µF 3% 1KV (ES43HK1/SN1, ES48HK1/SN1, ES61HK1/SN1) (ES93HK1/SN1, ES61HK1/SN1) (C6309 1-101-810-00 CERAMIC 100pF 5% 500V C6034 1-130-029-00 FILM 8200pF 2% 50V C6311 1-104-665-11 ELECT 100µF 20% 25V C6036 1-107-906-11 ELECT 10µF 20% 50V C6311 1-104-665-11 ELECT 10µF 20% 25V C6037 1-137-150-11 MYLAR 0.01µF 5% 50V C6314 1-126-960-11 ELECT 100µF 20% 25V C6039 1-101-810-00 CERAMIC 100pF 5% 500V C6311 1-104-665-11 ELECT 10µF 20% 25V C6036 1-107-906-11 FILECT 10µF 20% 50V C6312 1-104-665-11 ELECT 10µF 20% 25V C6036 1-107-906-11 FILECT 10µF 20% 50V C6314 1-128-567-51 ELECT 100µF 20% 10V C6315 1-128-567-51 ELECT 100µF 20% 10V C6316 1-128-567-51 ELECT 100µF 20% 10V C6316 1-128-567-51 ELECT 100µF 20% 35V C6040 1-117-227-11 MYLAR 1µF 10% 450V (ES43HK1/SN1, ES61HK1/SN1) (E6323 1-128-549-11 ELECT 330µF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001µF 10% 50V C6325 1-128-549-11 ELECT 330µF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001µF 10% 50V C6325 1-128-549-11 ELECT 100µF 20% 50V C6325 1-128-549-11 ELECT 200µF 20% 50V C6325 1-128-549-11 ELECT 100µF 20% 50V C6325 1-128-943-11 ELECT 100µF 20% 50V C6325 1-128-943-11 ELECT 100µF 20% 50V C6331 1-104-665-11 ELECT 100µF 20% 50V C63 | | | | | 1 | | | | | |
| C6032 | C6030 | 1-136-189-00 |) MYLAR 0.1µF | 10% 250V | C6306 | 1-101-810-00 | CERAMIC | 100pF | 5% | 500V |
| CS43HK1/SN1, ES48HK1/SN1, ES61HK1/SN1) | C6031 | 1-125-969-91 | CERAMIC 680pF | 10% 1KV | C6307 | 1-126-943-11 | ELECT | 2200µF | 20% | 25V |
| ES53HK1/SN1, ES61HK1/SN1) | C6032 | 1-115-405-11 | • | | | | | | | |
| C6033 1-126-963-11 ELECT 4.7μF 20% 50V C6311 1-101-810-00 CERAMIC 100μF 20% 25V C6034 1-130-029-00 FILM 8200pF 2% 50V C6312 1-104-665-11 ELECT 100μF 20% 25V C6035 1-104-665-11 ELECT 100μF 20% 25V C6036 1-107-906-11 ELECT 10μF 20% 50V C6313 1-128-567-51 ELECT 1000μF 20% 100V C6037 1-137-150-11 MYLAR 0.01μF 5% 50V C6314 1-128-567-51 ELECT 1000μF 20% 100V C6038 1-104-588-11 FILM 0.0082μF 2.50%1.25KV C6314 1-128-567-51 ELECT 1000μF 20% 100V C6039 1-115-389-11 FILM 0.018μF 3% 800V (ES43HK1/SN1, ES48HK1/SN1, ES48HK1/SN1, ES48HK1/SN1, ES48HK1/SN1, ES53HK1/SN1, ES48HK1/SN1, ES | | | | | 1 | | | | | |
| C6033 1-126-963-11 ELECT 4.7μF 20% 50V C6311 1-104-665-11 ELECT 100μF 20% 25V C6035 1-104-665-11 ELECT 100μF 20% 25V C6036 1-104-665-11 ELECT 100μF 20% 50V C6037 1-137-150-11 MYLAR 0.01μF 5% 50V C6314 1-128-567-51 ELECT 1000μF 20% 100V C6038 1-104-588-11 FILM 0.018μF 3% 800V C6039 1-115-389-11 FILM 0.018μF 3% 800V C6039 1-115-389-11 FILM 0.018μF 3% 800V C6030 1-117-227-11 MYLAR 1μF 10% 450V C6314 1-128-567-51 ELECT 1000μF 20% 150V C6315 1-128-549-11 ELECT 3300μF 20% 35V C6040 1-117-227-11 MYLAR (ES43HK1/SN1, ES48HK1/SN1, ES61HK1/SN1) C6322 1-128-549-11 ELECT 3300μF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6324 1-128-549-11 ELECT 3300μF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6324 1-128-549-11 ELECT 3300μF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6325 1-126-968-11 ELECT 100μF 20% 50V C6327 1-126-968-11 ELECT 200μF 20% 25V C6327 1-126-968-11 ELECT 100μF 20% 50V C6327 1-126-968-11 ELECT 200μF 20% 25V C6327 1-126-968-11 ELECT 100μF 20% 50V C6327 1-126-968-11 ELECT 100μF 20% 50V C6328 1-126-968-11 ELECT 100μF 20% 25V C6331 1-107-675-11 ELECT 100μF 20% 25V C6331 1-107-641-11 ELECT 220μF 20% 25V C6331 1-107-641-11 ELECT 220μF 20% 25V C6331 1-107-641-11 ELECT 330μF 20% 25V C6331 1-104-665-11 ELECT 100μF | | | ES53HK1/SN | 1, ES61HK1/SN1) | 1 | | | | | |
| C6034 1-130-029-00 FILM 8200pF 2% 50V C6312 1-104-665-11 ELECT 10µF 20% 25V C6036 1-104-665-11 ELECT 10µF 20% 50V C6036 1-107-906-11 ELECT 10µF 20% 50V C6037 1-137-150-11 MYLAR 0.01µF 5% 50V C6313 1-128-567-51 ELECT 1000µF 20% 100V C6038 1-104-588-11 FILM 0.018µF 3% 800V C6039 1-115-389-11 FILM 0.018µF 3% 800V C6040 1-117-227-11 MYLAR 1µF 10% 450V (ES43HK1/SN1, ES61HK1/SN1, ES61HK1/SN1, ES61HK1/SN1, ES61HK1/SN1, ES61HK1/SN1, ES61HK1/SN1, ES53HK1/SN1, ES61HK1/SN1, ES61HK1/NN1, ES6 | C6033 | 1_126_963_11 | FLECT 47uF | 20% 50\/ | 1 | | | | | |
| C6035 1-104-665-11 ELECT 100μF 20% 25V C6036 1-107-906-11 ELECT 10μF 20% 50V C6313 1-126-960-11 ELECT 1μF 20% 50V C6313 1-128-567-51 ELECT 1000μF 20% 100V C6314 1-128-567-51 ELECT 1000μF 20% 100V C6315 1-128-567-51 ELECT 1000μF 20% 100V C6317 1-109-954-11 ELECT 0.47μF 20% 160V C6321 1-128-549-11 ELECT 3300μF 20% 160V C6321 1-128-549-11 ELECT 3300μF 20% 35V C6322 1-128-549-11 ELECT 3300μF 20% 35V C6323 1-128-549-11 ELECT 3300μF 20% 35V C6324 1-128-549-11 ELECT 3300μF 20% 35V C6324 1-128-549-11 ELECT 3300μF 20% 50V C6322 | | | • | | 1 | | | | | |
| C6036 1-107-906-11 ELECT 10μF 20% 50V C6313 1-126-960-11 ELECT 1μF 20% 50V C6314 1-128-567-51 ELECT 1000μF 20% 100V C6038 1-104-588-11 FILM 0.0082μF 2.50%1.25KV C6315 1-128-567-51 ELECT 1000μF 20% 100V C6039 1-115-389-11 FILM 0.018μF 3% 800V C6040 1-117-227-11 MYLAR 1μF 10% 450V (ES43HK1/SN1, ES48HK1/SN1, ES48HK1/SN1, ES53HK1/SN1, ES53HK1/SN1, ES65HK1/SN1) C6323 1-128-549-11 ELECT 3300μF 20% 35V C6041 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6324 1-128-549-11 ELECT 3300μF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6325 1-126-948-11 ELECT 3300μF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6325 1-126-968-11 ELECT 100μF 20% 50V C6327 1-126-968-11 ELECT 100μF 20% 50V C6327 1-126-968-11 ELECT 200μF 20% 55V C6327 1-126-943-11 ELECT 220μF 20% 25V C6045 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1, ES61ME1/MN1, ES61ME1/MN1, ES63ME1/MN1, ES64ME1/MN1, ES64ME1/MN1, ES6333 1-104-665-11 ELECT 100μF 20% 25V C6333 1-126-943-11 ELECT 100μF 20% 25V C6333 1-126-943-11 ELECT 100μF 20% 25V C6333 1-126-940-11 ELECT 100μF 20% 25V C63 | | | | | 000.2 | | | .00μ. | _0,0 | |
| C6037 1-137-150-11 MYLAR 0.01μF 5% 50V C6314 1-128-567-51 ELECT 1000μF 20% 100V C6038 1-104-588-11 FILM 0.018μF 3% 800V C6039 1-117-227-11 MYLAR 1μF 10% 450V (ES43HK1/SN1, ES48HK1/SN1, ES48HK1/SN1, ES548HK1/SN1) (C6322 1-128-549-11 ELECT 3300μF 20% 35V C6041 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6324 1-128-549-11 ELECT 3300μF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6325 1-126-935-11 ELECT 3300μF 20% 35V C6043 1-104-663-11 ELECT 33μF 20% 16V (ES43ME1/MN1, ES48ME1/MN1, ES48ME1/MN1, ES53ME1/MN1, ES61 ME1/MN1) ES53ME1/MN1, ES61 ME1/MN1) (C6328 1-126-968-11 ELECT 2200μF 20% 25V C6324 1-128-943-11 ELECT 2200μF 20% 25V C6325 1-126-943-11 ELECT 2200μF 20% 25V C6326 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES48ME1/MN1, ES48ME1/MN1, ES53ME1/MN1, ES61 ME1/MN1) (C6332 1-104-665-11 ELECT 100μF 20% 25V C6330 1-126-943-11 ELECT 220μF 20% 25V C6330 1-126-967-11 ELECT 100μF 20% 25V C6330 1- | | | | | C6313 | 1-126-960-11 | ELECT | 1µF | 20% | 50V |
| C6038 1-104-588-11 FILM 0.0082μF 2.50%1.25KV C6317 1-109-954-11 ELECT 0.47μF 20% 160V C6039 1-115-389-11 FILM 0.018μF 3% 800V C6321 1-128-549-11 ELECT 3300μF 20% 35V C6040 1-117-227-11 MYLAR 1μF 10% 450V C6321 1-128-549-11 ELECT 3300μF 20% 35V C6041 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6323 1-128-549-11 ELECT 3300μF 20% 35V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6324 1-128-549-11 ELECT 3300μF 20% 35V C6043 1-104-663-11 ELECT 33μF 20% 16V C6325 1-126-968-11 ELECT 3300μF 20% 35V C6044 1-117-703-11 CERAMIC 0.0047μF 9% 250V C6328 1-126-968-11 ELECT 100μF 20% 50V C6045 1-107-675-11 ELECT 1μF 20% 450V C6331 1-107-641-11 ELECT <td>C6037</td> <td>1-137-150-11</td> <td></td> <td>5% 50V</td> <td>C6314</td> <td>1-128-567-51</td> <td>ELECT</td> <td>1000µF</td> <td>20%</td> <td>100V</td> | C6037 | 1-137-150-11 | | 5% 50V | C6314 | 1-128-567-51 | ELECT | 1000µF | 20% | 100V |
| C6039 1-115-389-11 FILM | | | | | 1 | | | | | |
| C6040 1-117-227-11 MYLAR | | | | | 1 | | | | | |
| (ES43HK1/SN1, ES48HK1/SN1, E6322 1-128-549-11 ELECT 3300μF 20% 35V 26323 1-128-549-11 ELECT 3300μF 20% 35V 26324 1-128-549-11 ELECT 3300μF 20% 35V 26325 1-126-935-11 ELECT 3300μF 20% 35V 26325 1-126-935-11 ELECT 470μF 20% 6.3V 26325 1-126-968-11 ELECT 100μF 20% 50V 26325 1-126-968-11 ELECT 100μF 20% 50V 26326 1-126-943-11 ELECT 100μF 20% 50V 26326 1-126-943-11 ELECT 100μF 20% 50V 26326 1-126-943-11 ELECT 100μF 20% 25V 26330 1-126-943-11 | | | • | | C6321 | 1-128-549-11 | ELECT | 3300µF | 20% | 35V |
| ES53HK1/SN1, ES61HK1/SN1) C6041 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6043 1-104-663-11 ELECT 33μF 20% 16V C6044 1-104-663-11 ELECT 33μF 20% 16V ES53ME1/MN1, ES61ME1/MN1) C6045 1-107-675-11 ELECT 1μF 20% 450V C6046 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) C6046 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) C6120 1-104-665-11 ELECT 100μF 20% 25V C6321 1-126-968-11 ELECT 100μF 20% 25V C6322 1-126-943-11 ELECT 220μF 20% 25V C6330 1-126-943-11 ELECT 220μF 20% 25V C6331 1-107-641-11 ELECT 220μF 20% 160V (ES43ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) C6046 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1) C6046 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1) C6047 1-107-675-11 ELECT 100μF 20% 25V C6331 1-104-665-11 ELECT 100μF 20% 25V C6332 1-104-665-11 ELECT 100μF 20% 25V C6333 1-104-665-11 ELECT 100μF 20% 25V C6334 1-126-947-11 ELECT 100μF 20% 25V C6335 1-126-967-11 ELECT 100μF 20% 25V C6336 1-126-967-11 ELECT 100μF 20% 25V C6337 1-101-810-00 CERAMIC 100μF 5% 500V C6338 1-162-117-00 CERAMIC 100μF 5% 500V C6338 1-162-117-00 CERAMIC 100μF 10% 200V | C6040 | 1-117-227-11 | • | | Ceana | 1 100 540 11 | ELECT | 2200uE | 200/ | 25\/ |
| C6041 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V C6325 1-126-935-11 ELECT 470μF 20% 6.3V C6327 1-126-968-11 ELECT 100μF 20% 50V C6327 1-126-968-11 ELECT 100μF 20% 50V C6327 1-126-943-11 ELECT 2200μF 20% 25V C6044 1-117-703-11 CERAMIC 0.0047μF 99% 250V C6045 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) C6032 1-104-665-11 ELECT 220μF 20% 25V C6046 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1, ES61ME1/MN1) C6033 1-104-665-11 ELECT 100μF 20% 25V C6100 Δ1-161-964-51 CERAMIC 0.0047μF 250V C6337 1-104-665-11 ELECT 47μF 20% 50V C6337 1-104-665-11 ELECT 100μF 20% 25V C6337 1-104-665-11 ELECT 100μF 20% 25V C6337 1-104-665-11 ELECT 100μF 20% 25V C6337 1-104-964-51 CERAMIC 100μF 20% 25V C6337 1-104-964-51 ELECT 100μF 20% 25V C6337 1-104-965-11 ELECT 100μF 20% 25V C6337 1-104-965-11 ELECT 100μF 20% 25V C6337 1-104-964-51 ELECT 100μF 20% 20V C6337 1-104-987-11 MYLAR 100μF 10% 200V ENDING 100μF 100 ERAMIC 100μF | | | , | | 1 | | | • | | |
| C6042 1-163-009-11 CERAMIC CHIP 0.001μF 10% 50V | C6041 | 1-163-009-11 | | , | 1 | | | | | |
| C6043 1-104-663-11 ELECT 33μF 20% 16V (ES43ME1/MN1, ES48ME1/MN1, ES61ME1/MN1) C6328 1-126-968-11 ELECT 100μF 20% 50V 25V 26044 1-117-703-11 CERAMIC 0.0047μF 99% 250V 26330 1-126-943-11 ELECT 2200μF 20% 25V 26045 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) C6332 1-104-665-11 ELECT 100μF 20% 25V 25V 25V 25V 25V 25V 26330 1-126-943-11 ELECT 220μF 20% 160V 25V 25V 25V 25V 25V 25V 25V 25V 25V 25 | | | • | | 1 | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | • | | 1 | | | • | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | C6043 | 1-104-663-11 | • | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | • | | 1 | | | • | | |
| C6045 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES48ME1/MN1), ES53ME1/MN1, ES61ME1/MN1) C6046 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1), ES53ME1/MN1, ES48ME1/MN1, ES48ME1/MN1, ES53ME1/MN1, ES61ME1/MN1) C6332 1-104-665-11 ELECT 100μF 20% 25V (ES43ME1/MN1, ES61ME1/MN1), ES53ME1/MN1, ES61ME1/MN1) C6333 1-104-665-11 ELECT 100μF 20% 25V (ES43ME1/MN1, ES61ME1/MN1) C6334 1-126-940-11 ELECT 330μF 20% 25V (ES43ME1/MN1, ES61ME1/MN1) C6335 1-126-967-11 ELECT 47μF 20% 50V (ES43ME1/MN1, ES48ME1/MN1, ES48ME1/MN | | | | , | 1 | | | | | |
| (ES43ME1/MN1, ES48ME1/MN1, ES61ME1/MN1) C6046 1-107-675-11 ELECT 1μF 20% 450V (ES43ME1/MN1, ES61ME1/MN1) C6100 Δ1-161-964-51 CERAMIC 0.0047μF 250V (ES43ME1/MN1, ES48ME1/MN1, ES48ME1/MN1, ES61ME1/MN1) C6101 1-107-680-11 ELECT 22μF 20% 450V (ES43ME1/MN1, ES48ME1/MN1, ES48ME1/MN | | | | | 1 | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | C6045 | 1-107-675-11 | • | | 1 | | | • | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | • | | 00332 | 1-104-000-11 | LLLOI | ισομε | 2070 | 20 V |
| (ES43ME1/MN1, ES48ME1/MN1, ES61ME1/MN1) | C6046 | 1-107-675-11 | | | C6333 | 1-104-665-11 | ELECT | 100uF | 20% | 25V |
| ES53ME1/MN1, ES61ME1/MN1) C6100 Δ1-161-964-51 CERAMIC 0.0047μF 250V C6101 1-107-680-11 ELECT 22μF 20% 450V (ES43ME1/MN1, ES48ME1/MN1, | 23040 | | • | | 1 | | | • | | |
| C6100 Δ1-161-964-51 CERAMIC 0.0047μF 250V C6337 1-101-810-00 CERAMIC 100pF 5% 500V C6101 1-107-680-11 ELECT 22μF 20% 450V (ES43ME1/MN1, ES48ME1/MN1, ES48ME1/MN1, C6339 1-104-987-11 MYLAR 0.001μF 10% 200V | | | • | | 1 | | | | | |
| C6101 1-107-680-11 ELECT 22μF 20% 450V (ES43ME1/MN1, ES48ME1/MN1, C6339 1-104-987-11 MYLAR 0.001μF 10% 200V | C6100 | 1-161-964-51 | | | 1 | | | | | |
| (ES43ME1/MN1, ES48ME1/MN1, C6339 1-104-987-11 MYLAR 0.001µF 10% 200V | | | | | C6338 | 1-162-117-00 | CERAMIC | 100pF | 10% | 500V |
| | C6101 | 1-107-680-11 | | | | | | <u> </u> | | |
| ESSSINIET/ININT, ESCTINIET/ININT) | | | • | | C6339 | 1-104-987-11 | MYLAR | 0.001µF | 10% | 200V |
| | | | ESSSIVIE I/IVIINI | , LOUTIVIE I/IVINT) | I | | | | | |

G1, G

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NC | D. PART NO. | DESCRIPTION | REMARK |
|----------|---|--|---|----------------|----------------------------|---|---|
| C6340 | 1-164-004-11 | | 10% 25V I1, ES48ME1/MN1, I1, ES61ME1/MN1) | D6009 | 8-719-158-49 | | MN1, ES48ME1/MN1 MN1, ES61ME1/MN1 |
| C6341 | 1-137-150-11 | (ES43HK1/SI | 5% 50V N1, ES48HK1/SN1, N1, ES61HK1/SN1) | D6010 D6011 | | DIODE 1SS355TE-17 DIODE 1SS355TE-17 | |
| C6342 | 1-136-165-00 | (ES43HK1/SI | 5% 50V N1, ES48HK1/SN1, N1, ES61HK1/SN1) | D6015 | △ 8-719-022-99 | ES53ME1/I DIODE D6SB60L (ES43ME1/ | MN1, ES48ME1/MN1 MN1, ES61ME1/MN1 MN1, ES48ME1/MN1 |
| | <connecto< td=""><td>DR></td><td></td><td>D6015</td><td>△8-719-510-53</td><td>DIODE D4SB60L</td><td>MN1, ES61ME1/MN1 /SN1, ES48HK1/SN1</td></connecto<> | DR> | | D6015 | △ 8-719-510-53 | DIODE D4SB60L | MN1, ES61ME1/MN1 /SN1, ES48HK1/SN1 |
| | | TAB (CONTACT) PIN, CONNECTOR (PC (ES43ME1/MN | BOARD) 4P I1, ES48ME1/MN1, | D6017 | 8-719-063-73 | ES53HK1 DIODE D1NL20U-TR | /SN1, ES61HK1/SN1 |
| CN6004 * | * 1-580-843-11 | PIN, CONNECTOR (PON (ES43HK1/SI | N1, ES48HK1/SN1, | D6019 D6020 | | | /SN1, ES48HK1/SN1 |
| | | PIN, CONNECTOR (PC PIN, CONNECTOR (PC | , | D6021 | 8-719-921-88 | DIODE MTZJ-13B (ES43ME1/ | /SN1, ES61HK1/SN1 MN1, ES48ME1/MN1 MN1, ES61ME1/MN1 |
| CN6300 * | * 1-564-508-11 | PIN, CONNECTOR (5MM PLUG, CONNECTOR 5F PIN, CONNECTOR (5MM | , ´ | D6021 | 8-719-110-36 | DIODE RD13ES-B2 (ES43HK1 | /SN1, ES48HK1/SN1 /SN1, ES61HK1/SN1 |
| | | PLUG, CONNECTOR 10 PLUG, CONNECTOR 10 | | D6022 | | DIODE UF4005PKG2 | |
| CN6306 | 1-695-915-11 | PIN, CONNECTOR (PC TAB (CONTACT) TAB (CONTACT) | BOARD) 3P | D6023 D6024 | | | |
| CN6308 | 1-695-915-11 | TAB (CONTACT) | | D6025 | 8-719-988-61 | | MN1, ES48ME1/MN1 MN1, ES61ME1/MN1 |
| D6000 | <diode> 8-719-052-90</diode> | DIODE D1NL40-TA2 | | D6100 | ∆ 8-719-077-76 | | MN1, ES48ME1/MN1 MN1, ES61ME1/MN1 |
| D6001 | | (ES43ME1/MN | 11, ES48ME1/MN1, 1, ES61ME1/MN1) | D6100 | 1 1 1 1 1 1 1 1 1 1 | DIODE ERC04-06SE (ES43HK1 | /SN1, ES48HK1/SN1 /SN1, ES61HK1/SN1 |
| D6002 | 8-719-988-61 | ES53ME1/MN DIODE 1SS355TE-17 | I1, ES48ME1/MN1, 1, ES61ME1/MN1) | D6101 | 8-719-068-00 | | MN1, ES48ME1/MN1 |
| D6003 | 8-719-158-49 | | I1, ES48ME1/MN1, 1, ES61ME1/MN1) | D6101 | 8-719-947-69 | DIODE MTZJ-T-72-18 (ES43HK1 | /SN1, ES48HK1/SN1 |
| D6004 | 8-719-991-33 | ES53ME1/MN DIODE 1SS133T-77 | 11, ES48ME1/MN1, 1, ES61ME1/MN1) | D6102 D6103 | 8-719-988-61 | DIODE DTZ-TT11-15I DIODE 1SS355TE-17 | |
| | | • | 11, ES48ME1/MN1, 1, ES61ME1/MN1) | D6104 | ≜ 8-719-068-00 | | /SN1, ES48HK1/SN1 /SN1, ES61HK1/SN1 |
| D6005 | | ES53ME1/MN | I1, ES48ME1/MN1, I1, ES61ME1/MN1) | D6105 D6106 | | DIODE ERA22-08 DIODE ERC04-06SE | |
| D6006 | 8-719-988-61 | , | 11, ES48ME1/MN1, 1, ES61ME1/MN1) | D6108 | 8-719-063-73 | • | /SN1, ES48HK1/SN1 /SN1, ES61HK1/SN1 |
| D6007 | | ES53ME1/MN | 11, ES48ME1/MN1, 1, ES61ME1/MN1) | D6108 | 8-719-510-48 | , | MN1, ES48ME1/MN1 MN1, ES61ME1/MN1 |
| D6008 | 8-719-991-33 | , | 11, ES48ME1/MN1, 11, ES61ME1/MN1) | D6300 | 8-719-057-96 | , | /SN1, ES48HK1/SN1 /SN1, ES61HK1/SN1 I2 |
| | | EGGGIVIE I/IVIIV | ., _OO ////////////////////////////// | 20000 | 0 1 10-001-00 | 2.32L 2.0000W-40 | · - |

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

G1, G

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO | . PART NO. | DESCRIPTION | I REMARK |
|----------------------------|---|---|---|-------------------------|---|---|--|
| D6302 D6303 | | DIODE RBA-406B DIODE D1NL20U-TR | ONA FO 401 11/4 /ONA | IC6003 A | 1 8-749-924-35 | | BME1/MN1, ES48ME1/MN1, |
| | | • | SN1, ES48HK1/SN1, SN1, ES61HK1/SN1) | IC6004 | 8-749-016-66 | IC MCR5152 | BME1/MN1, ES61ME1/MN1) |
| D6304 D6305 | | DIODE D4SBL20U DIODE 1SS355TE-17 | , | IC6005 A | <u> </u> | PHOTO COUPL | |
| D6306 | 8-719-988-61 | | SN1, ES48HK1/SN1, SN1, ES61HK1/SN1) | IC6006 | 8-759-198-31 | ES53 IC µPC1093J-1- | BME1/MN1, ES48ME1/MN1, BME1/MN1, ES61ME1/MN1) T BME1/MN1, ES48ME1/MN1, |
| D6307 D6308 D6309 | 8-719-988-31 | DIODE 1SS355TE-17 DIODE D10SC6MR | , | IC6007 A | <u>^</u> 8-749-924-35 8-749-012-13 | ES53 PHOTO COUPL | BME1/MN1, ES61ME1/MN1) |
| D6310 | | DIODE D10SC6M-401 DIODE D4SBS4-F | 2 | IC6301 IC6302 | | IC MM1476AF(| ГР) |
| D6311 | | ES53HK1/ | SN1, ES48HK1/SN1, SN1, ES61HK1/SN1) | IC6303 IC6304 | | , | 13HK1/SN1, ES48HK1/SN1, |
| D6312 D6315 D6316 | 8-719-988-61 | DIODE 1SS355TE-17 DIODE 1SS355TE-17 DIODE 1SS355TE-17 | | | | ES | 53HK1/SN1, ES61HK1/SN1) |
| D6317 | | DIODE 1SS355TE-17 | | | <coil></coil> | | |
| D6318 D6319 | 8-719-976-96 | DIODE MTZJ-13B DIODE DTZ4.7C | | L6303 L6304 | 1-412-525-31 1-406-659-11 | INDUCTOR | 10μH 10μH |
| D6320 D6323 | | DIODE DTZ4.7C DIODE D1NS6 | | L6307 L6308 L6309 | 1-412-525-31 1-412-525-31 1-412-525-31 | INDUCTOR | 10μH 10μH 10μH |
| | <fuse></fuse> | | | L6310 | 1-412-525-31 | | 10µH |
| F6001 🛭 | ∆1-532-506-51 | • | //N1, ES48ME1/MN1, | L6311 L6314 L6315 | 1-412-525-31 1-412-524-11 1-412-524-11 | INDUCTOR | 10µН 8.2µН 8.2µН |
| F6001 🛭 | ∆1-576-232-11 | FUSE (H.B.C.) 5A/250 (ES43HK1/ | MN1, ES61ME1/MN1) V 'SN1, ES48HK1/SN1, SN1, ES61HK1/SN1) | | <ic link=""></ic> | | |
| | | 2000i II(1) | OIVI, LOOTI IIVI/OIVI) | | | PROTECTOR, | |
| | <ferritbe <="" td=""><td></td><td></td><td>PS6302</td><td><u> </u></td><td>PROTECTOR, I PROTECTOR, I PROTECTOR, I</td><td>MODULE (4.0A) MODULE (4.0A)</td></ferritbe> | | | PS6302 | <u> </u> | PROTECTOR, I PROTECTOR, I PROTECTOR, I | MODULE (4.0A) MODULE (4.0A) |
| | 1-412-911-11 1-412-911-21∆ | · · | | | | PROTECTOR, | · · · |
| EB6103 / | ∆1-412-911-21 | ES53ME1/N | MN1, ES48ME1/MN1, MN1, ES61ME1/MN1) | PS6310 | 1-801-550-21 1-801-550-21 | PROTECTOR, | MODULE (2.5A) |
| FB6301 | 1-412-911-11 | FERRITE 0µH | | 1 003112 | ±1 1 00 1 000 Z 1 | TROTEOTOR, | WODOLL (2.0A) |
| FB6302 | 1-412-911-11 | | | | <transisto< td=""><td>OR></td><td></td></transisto<> | OR> | |
| FB6303 FB6304 FB6305 | 1-412-911-11 1-412-911-11 1-412-911-11 | FERRITE 0µH | | Q6000 | 8-729-120-28 | TRANSISTOR 2 | 2SC1623-L5L6 BME1/MN1, ES48ME1/MN1, |
| FB6306 FB6309 | 1-412-911-11 1-412-911-11 | • | | Q6002 | 8-729-140-97 | TRANSISTOR 2 | ME1/MN1, ES61ME1/MN1) 2SB734-34 BME1/MN1, ES48ME1/MN1, |
| FB6310 | 1-412-911-11 | FERRITE 0µH | | Q6003 | 8-729-120-28 | ES53 TRANSISTOR 2 | BME1/MN1, ES61ME1/MN1) |
| | <ic></ic> | | | 00004 | 0.700.440.00 | `ES53 | BME1/MN1, ES61ME1/MN1) |
| IC6000 | 8-759-198-31 | • | //N1, ES48ME1/MN1, //N1, ES61ME1/MN1) | Q6004 Q6005 | | (ES43 | 25B733-34 2SA1037AK-T-146-R BME1/MN1, ES48ME1/MN1, BME1/MN1, ES61ME1/MN1) |
| IC6001 | 8-759-133-90 | IC µPC339C | MN1, ES48ME1/MN1, | Q6100 | 8.720.046.40 | TRANSISTOR 2 | , |
| IC6002 <u>/</u> | ∆8-749-924-35 | , | MN1, ES61ME1/MN1) | Q6100 Q6102 | | TRANSISTOR 2 | |

G1, G

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NC | D. PART NO. | DESCRIPTION | REMARK |
|-------------------------|------------------------------|--|---|----------------|-------------------------------|---|---|
| Q6300 | 8-729-120-28 | • | 5L6 , ES48ME1/MN1, , ES61ME1/MN1) | R6016 | 1-216-081-00 | (ES43ME1/MN1 | 5% 1/10W I, ES48ME1/MN1 I, ES61ME1/MN1 |
| Q6300 | 8-729-023-22 | TRANSISTOR 2SD2114K (ES43HK1/SN1 | , ES48HK1/SN1, , ES61HK1/SN1) | R6017 | 1-208-830-11 | METAL CHIP 100K (ES43ME1/MN1 | 0.5% 1/10W 1, ES48ME1/MN1 1, ES61ME1/MN1 |
| Q6301 | | TRANSISTOR 2SC1623-L | 5L6 | R6018 | 1-208-844-11 | METAL CHIP 390K (ES43ME1/MN1 | 0.5% 1/10W I, ES48ME1/MN1 |
| Q6302 Q6303 Q6304 | 8-729-820-82 | TRANSISTOR 2SA1037AF TRANSISTOR 2SA1208 TRANSISTOR 2SA933AS- | | R6019 | 1-208-806-11 | METAL CHIP 10K | 0.5% 1/10W |
| | | (ES43HK1/SN1 | , ES48HK1/SN1, , ES61HK1/SN1) | | | (ES43ME1/MN1 ES53ME1/MN1 | , ES48ME1/MN1 , ES61ME1/MN1 |
| | <resistor></resistor> | > | | R6020 | 1-208-827-11 | , | 0.5% 1/10W I, ES48ME1/MN1 I, ES61ME1/MN1 |
| R6000 | 1-260-131-11 | CARBON 470K | 5% 1/2W | R6021 | 1-208-830-11 | METAL CHIP 100K (ES43ME1/MN1 | 0.5% 1/10W I, ES48ME1/MN1 |
| R6001 R6002 | 1-260-131-11 1-202-981-11 | CEMENTED 0.82 (ES43ME1/MN1, | 5% 1/2W 5% 20W , ES48ME1/MN1, | R6022 | 1-208-846-11 | METAL CHIP 470K (ES43ME1/MN1 | , ES61ME1/MN1 0.5% 1/10W I, ES48ME1/MN1 |
| R6002 | 1-216-057-00 | RES-CHIP 2.2K (ES43HK1/SN1 | , ES61ME1/MN1) 5% 1/10W 1, ES48HK1/SN1, | R6023 | 1-216-057-00 | RES-CHIP 2.2K (ES43ME1/MN1 | , ES61ME1/MN1 5% 1/10W I, ES48ME1/MN1 I, ES61ME1/MN1 |
| R6003 △ | 1-219-759-91 | | , ES61HK1/SN1) 5% 1/2W | D0004 | 4 000 040 44 | | • |
| R6004 | 1-208-806-11 | | 0.5% 1/10W , ES48ME1/MN1, | R6024 | 1-208-846-11 | | 0.5% 1/10W I, ES48ME1/MN1 SS61ME1/MN1, |
| R6005 | 1-208-806-11 | METAL CHIP 10K | , ES61ME1/MN1) 0.5% 1/10W , ES48ME1/MN1, | R6025 | 1-216-057-00 | (ES43ME1/MN1 | 5% 1/10W I, ES48ME1/MN1 I, ES61ME1/MN1 |
| R6006 | 1-208-832-11 | | , ES61ME1/MN1) 0.5% 1/10W | R6026 R6027 | △1-218-265-21 1-249-389-11 | METAL 8.2M | 5% 1W 5% 1/4W |
| | | (ES43ME1/MN1 ES53ME1/MN1, | , ES48ME1/MN1, , ES61ME1/MN1) | | | (ES43ME1/MN1 ES53ME1/MN1 | , ES48ME1/MN1 , ES61ME1/MN1 |
| R6007 | 1-208-827-11 | • | 0.5% 1/10W , ES48ME1/MN1, , ES61ME1/MN1) | R6029 | 1-216-065-91 | (ES43ME1/MN1 | 5% 1/10W I, ES48ME1/MN1 I, ES61ME1/MN1 |
| R6008 | 1-215-489-00 | (ES43ME1/MN1 | 1% 1/4W , ES48ME1/MN1, , ES61ME1/MN1) | R6030 | 1-216-089-91 | (ES43ME1/MN1 | 5% 1/10W I, ES48ME1/MN1 I, ES61ME1/MN1 |
| R6009 | 1-215-489-00 | (ES43ME1/MN1 | 1% 1/4W , ES48ME1/MN1, , ES61ME1/MN1) | R6031 | 1-216-073-00 | RES-CHIP 10K (ES43ME1/MN1 | 5% 1/10W 1, ES48ME1/MN1 1, ES61ME1/MN1 |
| R6010 | 1-215-489-00 | METAL 680K (ES43ME1/MN1 | 1% 1/4W , ES48ME1/MN1, | R6033 | 1-216-065-91 | RES-CHIP 4.7K (ES43ME1/MN1 | 5% 1/10W I, ES48ME1/MN1 |
| R6011 | 1-208-798-11 | METAL CHIP 4.7K (ES43ME1/MN1 | , ES61ME1/MN1) 0.5% 1/10W , ES48ME1/MN1, | R6035 | 1-205-998-11 | CEMENTED 1 (ES43HK1/SN | , ES61ME1/MN1 5% 10W 1, ES48HK1/SN1 |
| R6012 | 1-208-832-11 | METAL CHIP 120K (ES43ME1/MN1 | , ES61ME1/MN1) 0.5% 1/10W , ES48ME1/MN1, | R6036 | 1-208-830-11 | METAL CHIP 100K (ES43ME1/MN1 | 1, ES61HK1/SN1 0.5% 1/10W I, ES48ME1/MN1 |
| R6013 | 1-215-489-00 | METAL 680K (ES43ME1/MN1) | , ES61ME1/MN1) 1% 1/4W , ES48ME1/MN1, , ES61ME1/MN1) | R6038 | 1-216-073-00 | RES-CHIP 10K | , ES61ME1/MN1 5% 1/10W I, ES48ME1/MN1 |
| R6014 | 1-215-489-00 | METAL 680K (ES43ME1/MN1 | 1% 1/4W , ES48ME1/MN1, | R6041 | 1-208-822-11 | ES53ME1/MN1 METAL CHIP 47K (ES43ME1/MN1 | , ES61ME1/MN1 0.5% 1/10W I, ES48ME1/MN1 |
| R6015 | 1-215-489-00 | METAL 680K (ES43ME1/MN1) | , ES61ME1/MN1) 1% 1/4W , ES48ME1/MN1, | R6042 | 1-208-822-11 | METAL CHIP 47K (ES43ME1/MN1 | , ES61ME1/MN1 0.5% 1/10W I, ES48ME1/MN1 |
| | | ES53ME1/MN1, | , ES61ME1/MN1) | R6043 | 1-216-073-00 | | , ES61ME1/MN1 5% 1/10W |
| | | | | 1 | | | |

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

G1, G

| REF.NO | D. PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | <u> </u> | R | EMARK |
|--------|-------------------------|-----------------|--|----------------------|------------------------------|-------------|----------------------------|----------|----------------------|
| R6044 | 1-216-073-00 | RES-CHIP 10K | 5% 1/10W | R6078 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| 110011 | 1 210 070 00 | (ES43ME1/N | /N1, ES48ME1/MN1 | , | 1 210 070 00 | (ES43 | BME1/MN1, | ES48N | 1E1/MN1, |
| | | ES53ME1/N | IN1, ES61ME1/MN1 |) R6079 | 1-216-073-00 | | 3ME1/MN1, I 10K | 5% | 1/10W |
| R6045 | 1-208-819-11 | METAL CHIP 36K | 0.5% 1/10W | DC100 | 1 260 200 E1 | CARRON | 2.2 | E0/ | 1/0\\ |
| | | ` | MN1, ES48ME1/MN1 | . | 1-260-298-51 | | 3.3 | 5% | 1/2W |
| R6046 | 1-215-489-00 | | 1N1, ES61ME1/MN1 1% 1/4W |) R6101 R6102 | 1-216-045-00 1-249-389-11 | | 680 4.7 | 5% 5% | 1/10W 1/4W |
| 10040 | 1-213-409-00 | | 176 174VV 1N1, ES48ME1/MN1 | | 1-216-009-91 | | 22 | 5% | 1/4VV 1/10W |
| | | | 1N1, ES48ME1/MN1 | | 1-240-205-11 | | 22M | 5% | 1/10W |
| R6047 | 1-215-489-00 | | 1% 1/4W | / 10104 | 1 240 200 11 | O/ II (BOI) | ZZIVI | 070 | 1/2 * * |
| | | | 1N1, ES48ME1/MN1 | , R6105 | 1-216-097-91 | RES-CHIP | 100K | 5% | 1/10W |
| | | | 1N1, ES61ME1/MN1 | | 1-216-057-00 | RES-CHIP | 2.2K | 5% | 1/10W |
| R6048 | 1-215-489-00 | | 1% 1/4W | R6107 | 1-216-089-91 | RES-CHIP | 47K | 5% | 1/10W |
| | | (ES43ME1/N | 1N1, ES48ME1/MN1 | , R6108 | 1-215-493-00 | METAL | 1M | 1% | 1/4W |
| | | ES53ME1/N | 1N1, ES61ME1/MN1 |) R6109 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R6049 | △1-205-998-11 | CEMENTED 1 | 5% 10W | | | (ES43 | BME1/MN1, | ES48N | 1E1/MN1, |
| | | | SN1, ES48HK1/SN1 SN1, ES61HK1/SN1 | | | ES53 | BME1/MN1, | ES61M | 1E1/MN1) |
| | | L3331 IK 1/ | 3N1, E30111K1/3N1 | 7 R6109 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| R6050 | 1-205-943-11 | CEMENTED 1 | 5% 20W | 10103 | 1210 041 00 | | 13HK1/SN1, | | |
| 110000 | 1 200 0 10 11 | | /N1, ES48ME1/MN1 | | | , | 3HK1/SN1, | | |
| | | | 1N1, ES61ME1/MN1 | | 1-216-065-91 | | 4.7K | 5% | 1/10W |
| R6051 | 1-208-824-11 | METAL CHIP 56K | 0.5% 1/10W | R6301 | 1-249-413-11 | | 470 | 5% | 1/4W |
| | | | MN1, ES48ME1/MN1 | | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| | | , | 1N1, ES61ME1/MN1 | | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R6052 | 1-249-417-11 | CARBON 1K | 5% 1/4W | ´ | | | | | |
| R6053 | 1-208-792-11 | METAL CHIP 2.7K | 0.5% 1/10W | R6305 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| | | (ES43ME1/N | IN1, ES48ME1/MN1 | , R6306 | 1-216-041-00 | RES-CHIP | 470 | 5% | 1/10W |
| | | ES53ME1/N | 1N1, ES61ME1/MN1 |) R6307 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R6053 | 1-216-660-11 | METAL CHIP 2.4K | 0.5% 1/10W | R6308 | 1-216-049-91 | RES-CHIP | 1K | 5% | 1/10W |
| | | | SN1, ES48HK1/SN1 SN1, ES61HK1/SN1 | | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| | | LOJJI IK I/ | 5141, E301111(1/3141 | ['] R6310 | 1-216-065-91 | RES-CHIP | 4.7K | 5% | 1/10W |
| R6054 | 1-208-774-11 | METAL CHIP 470 | 0.5% 1/10W | R6311 | 1-215-477-00 | | 220K | 1% | 1/4W |
| R6055 | | METAL CHIP 9.1K | 0.5% 1/10W | R6312 | 1-249-417-11 | | 1K | 5% | 1/4W |
| R6056 | 1-217-625-00 | | 10% 2W | R6313 | 1-216-097-91 | | 100K | 5% | 1/10W |
| R6057 | 1-215-477-00 | | 1% 1/4W | R6314 | | METAL OXIDE | 0.47 | 5% | 3W |
| R6058 | 1-215-477-00 | | 1% 1/4W | | | | | | |
| | | | | R6316 | 1-215-477-00 | METAL | 220K | 1% | 1/4W |
| R6059 | 1-215-477-00 | METAL 220K | 1% 1/4W | R6317 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R6060 | 1-219-512-11 | CARBON 2.2M | 5% 1/2W | R6318 | 1-215-453-00 | METAL | 22K | 1% | 1/4W |
| R6061 | △1-220-886-61 | FUSIBLE 0.1 | 10% 1W | R6319 | 1-215-476-00 | METAL | 200K | 1% | 1/4W |
| R6062 | 1-208-800-11 | METAL CHIP 5.6K | 0.5% 1/10W | R6320 | 1-208-806-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| | | | /IN1, ES48ME1/MN1 | | | | | | |
| | | | IN1, ES61ME1/MN1 | ′ I | | METAL CHIP | 47K | | 1/10W |
| R6062 | 1-208-796-11 | METAL CHIP 3.9K | 0.5% 1/10W | R6322 | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| | | , | SN1, ES48HK1/SN1 | ' | 1-216-041-00 | | 470 | 5% | 1/10W |
| | | ES53HK1/ | SN1, ES61HK1/SN1 | ′ I | 1-216-049-91 | | 1K | 5% | 1/10W |
| D0005 | 4 040 540 44 | 0.400011 0.014 | 50/ 4/014/ | R6325 | 1-208-819-11 | METAL CHIP | 36K | 0.5% | 1/10W |
| R6065 | 1-219-512-11 | | 5% 1/2W | D0000 | 4 000 700 44 | METAL OLUB | 4 714 | 0.50/ | 4 /4 014 / |
| R6067 | 1-249-397-11 | | 5% 1/4W | R6326 | | METAL CHIP | 4.7K | | 1/10W |
| K6068 | 1-205-998-11 | - | 5% 10W | R6327 | 1-208-782-11 | METAL CHIP | 1K | | 1/10W |
| | | | SN1, ES48HK1/SN1 | | | , | 13HK1/SN1, | | |
| Denen | A 1 205 000 11 | | SN1, ES61HK1/SN1 | ' | 1 216 065 01 | | 3HK1/SN1, | | , |
| K0009 | △1-205-998-11 | | 5% 10W SN1, ES48HK1/SN1 | R6328 | 1-216-065-91 | | 4.7K 3ME1/MN1, | 5% | 1/10W |
| | | • | SN1, ES48HK1/SN1 SN1, ES61HK1/SN1 | 1 | | , | BME1/MN1, BME1/MN1, I | | |
| P6071 | 1-240-881-11 | | 5% 10W | R6328 | 1-215-006-11 | METAL OXIDE | • | 5% | 3W |
| 10071 | △ 1- ∠4 0-001-11 | | | | 1-210-300-11 | | | | |
| | | , | /IN1, ES48ME1/MN1 /IN1, ES61ME1/MN1 | 1 | | , | 13HK1/SN1, 53HK1/SN1, | | - |
| | | LOCONIE I/IV | II V I, LOUTIVIE I/IVIIN I | R6329 | 1-216-041-00 | | 470 | 5% | 1/10W |
| R6072 | 1-249-417-11 | CARBON 1K | 5% 1/4W | 110023 | 1-210-041-00 | | 470 BME1/MN1, I | | |
| R6076 | 1-249-389-11 | | 5% 1/4W | | | ` | BME1/MN1, | | |
| R6077 | 1-249-389-11 | | 5% 1/10W | | | | /.vi= 1/1VII V 1, 1 | | ·- '/'V' \ ' |
| | 1 210 000 11 | | // 1/1000 // 1/1 | . [| | | | | |
| | | • | 1N1, ES61ME1/MN1 | | | | | | |
| | | | ., | ′ I | | | | | |

G1, G

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|------------------|--|--|--|-----------|---|--|--|
| R6329 | 1-208-807-11 | METAL CHIP 11K | 0.5% 1/10W | | <thermisto< td=""><td>OR></td><td></td></thermisto<> | OR> | |
| | | ES53HK1/SN1, | , ES48HK1/SN1, ES61HK1/SN1) | TH6100 | 1-803-586-11 | THERMISTOR, NTC | |
| R6330 | 1-208-813-11 | METAL CHIP 20K (ES43ME1/MN1, | 0.5% 1/10W ES48ME1/MN1. | | | | |
| Deaga | 4 000 040 44 | ES53ME1/MN1, | ES61ME1/MN1) | | <varistor></varistor> | > | |
| R6332 | 1-208-819-11 | METAL CHIP 36K (ES43ME1/MN1, | | VD6000 | 1-803-614-11 | | |
| R6333 | 1-208-806-11 | , | ES61ME1/MN1) 0.5% 1/10W , ES48HK1/SN1, , ES61HK1/SN1) | | | , | |
| R6334 | 1-216-041-00 | RES-CHIP 470 | 5% 1/10W ES48HK1/SN1, | ****** | ******* | ********* | ************** |
| | | | ES61HK1/SN1) | | | MISCELLANEOUS | |
| R6335 | 1-216-071-00 | | 5% 1/10W , ES48HK1/SN1, | /1 | \1-223-925-11 | RESISTOR ASSY (HIG | SH-VOLTAGE) |
| | | ES53HK1/SN1, | ES61HK1/SN1) | | | ` | (FOCUS PACK) |
| R6336 | 1-208-802-11 | METAL CHIP 6.8K (FS43HK1/SN1 | 0.5% 1/10W , ES48HK1/SN1, | <u> </u> | | NECK ASSY (NA-295) BATTERY, SOLAR | |
| | | | ES61HK1/SN1) | | 1-529-403-11 | SPEAKER (6.6 CM) (E | |
| | | | | | 1-529-405-11 | SPEAKER (13 CM) (ES | S53) |
| | <relay></relay> | | | | | SPEAKER (13 CM) (ES | |
| RY6000 ∕ì | 1-755-357-11 | RELAY, AC POWER | | | | SPEAKER (2.7 CM) (E SPEAKER (8 CM) (ES | |
| 11 1 0 0 0 0 2 1 | 11-700-007-11 | (ES43ME1/MN1, | ES48ME1/MN1, | | | SPEAKER (16 CM) (ES | , |
| RY6000 <i>∆</i> | \1-755-352-11 | ES53ME1/MN1, RELAY, AC POWER | | | | SPEAKER (10 CM) (ES | |
| | | | , ES48HK1/SN1, ES61HK1/SN1) | | | SPEAKER (12 CM) (ESCORE, FERRITE | 543) |
| RY6001 | 1-755-357-11 | RELAY, AC POWER | (L30111K1/3N1) | <u> </u> | | CORD, POWER (WITH | (CONNECTOR) |
| | | (ES43ME1/MN1, ES53ME1/MN1, | | | | (ES43ME1/N | MN1, ES48ME1/MN1, MN1, ES61ME1/MN1) |
| | | LOCOME I/IMITT, | 200111121711111117 | | | PWB, MOUNTED (NET | . , |
| | <transfor< td=""><td>MED~</td><td></td><td></td><td>1-790-082-11</td><td>CABLE, RF</td><td></td></transfor<> | MED~ | | | 1-790-082-11 | CABLE, RF | |
| | | | | <u> </u> | | CORD, POWER (WITH | |
| T6001 <i>∆</i> | 1-431-493-11 | TRANSFORMER, LINE FIL (ES43ME1/MN1, | | <u>/1</u> | | (ES43HK1, ES48HK1, E CORD, POWER (WITH | |
| T6001 A | 1 424 505 11 | ES53ME1/MN1, TRANSFORMER, LINE FIL | | , | | (ES43SN1, ES48SN1, E BLOCK ASSY, HIGH-V | |
| 16001 21 | 11-424-303-11 | • | . I EK , ES48HK1/SN1, | | | PICTURE TUBE 07MX | |
| T0000 A | 4 404 400 44 | | ES61HK1/SN1) | <u> </u> | ∆8-733-571-15 | PICTURE TUBE 07MX | · · · · · · · · · · · · · · · · · · · |
| 16002 2 | 1-431-493-11 | TRANSFORMER, LINE FIL (ES43ME1/MN1, | | | | | (ES43) |
| T6002 ∕î | \1-424-505-11 | ES53ME1/MN1, TRANSFORMER, LINE FIL | | <u> </u> | ∆8-733-572-15 | PICTURE TUBE 07MX | C3 (R) (HEATER) (ES48, ES53) |
| | | (ES43HK1/SN1 | , ES48HK1/SN1, ES61HK1/SN1) | <u> </u> | ∆8-733-573-15 | PICTURE TUBE 07MX | · |
| T6003 ₫ | 1-431-445-11 | TRANSFORMER, CONVER | | <u> </u> | ∆8-733-574-15 | PICTURE TUBE 07MA | |
| | | ES53HK1/SN1, | ES61HK1/SN1) | <u> </u> | ∆8-733-575-15 | PICTURE TUBE 07MA | , , , |
| | | TRANSFORMER, CONVERTRANSFORMER, CONVER | ` ' | <u> </u> | ∆8-733-576-15 | PICTURE TUBE 07MA | (ES48, ES53) .C4 (B) (HEATER) (ES61) |
| | | TRANSFORMER, STAND- (ES43ME1/MN1, | BY ES48ME1/MN1, | ****** | ******* | ********** | **************** |
| T6100 ∕^ | 1-433-844-11 | ES53ME1/MN1, TRANSFORMER, CONVER | | | | | |
| 10100 21 | . 100 OTT 11 | (ES43HK1/SN1 | , ES48HK1/SN1, , ES61HK1/SN1) | | | | |
| | | | , | | | | |

REF.NO. PART NO. DESCRIPTION

REMARK

ACCESSORIES AND PACKING MATERIALS

1-569-008-11 ADAPTOR, CONVERSION 2P

(ES43ME1/MN1, ES48ME1/MN1, ES53ME1/MN1, ES61ME1/MN1)

- *4-029-168-01 BAG, PROTECTION (ES43)
- *4-030-895-01 JOINT
- *4-041-423-11 SHEET, PROTECTION (ES43, ES48)
- *4-055-672-01 BAG, PROTECTION (ES53)
- *4-055-673-01 SHEET, PROTECTION (ES53,ES61)
- *4-059-461-01 BAG, PROTECTION (ES61)
- *4-060-976-01 BAG, PROTECTION (ES48)
- *4-069-899-01 TRAY(ES48)
- *4-069-900-02 BOARD, TOP (ES48)
- *4-069-901-01 BOARD, BOTTOM (ES48)
- *4-069-994-01 TRAY(ES53)
- *4-069-995-01 BOARD, TOP (ES53)
- *4-069-996-01 BOARD, BOTTOM (ES53)
- *4-071-930-01 TRAY(ES61)
- *4-071-931-01 BOARD, TOP (ES61)
- *4-071-932-01 BOARD, BOTTOM (ES61)
- *4-071-933-01 CUSHION (UPPER) (ASSY) (ES61)
- *4-071-934-01 CUSHION (LOWER) (ASSY) (ES61)
- *4-076-536-01 TRAY(ES43)
- *4-076-537-01 INDIVIDUAL CARTON (ES43)
- *4-076-538-01 CUSHION (UPPER) (ASSY) (ES43)
- * 4-076-539-01 CUSHION (LOWER) (ASSY) (ES43)
- 4-076-694-11 MANUAL, INSTRUCTION

(ENGLISH, FRENCH, CHINESE, PERUSSIAN, ARABIC)

- *4-076-803-01 INDIVIDUAL CARTON (ES48)
- * 4-076-804-01 CUSHION (UPPER) (ASSY) (ES48)
- *4-076-805-01 CUSHION (LOWER) (ASSY) (ES48)
- *4-077-770-01 INDIVIDUAL CARTON (ES53)
- *4-077-771-01 CUSHION (UPPER) (ASSY) (ES53)
- * 4-077-772-01 CUSHION (LOWER) (ASSY) (ES53)
- *4-077-862-01 INDIVIDUAL CARTON (ES61)

REMOTE COMMANDER

1-476-170-11 REMOTE COMMANDER (RM-961) 4-978-977-01 COVER, BATTERY (for RM-961)